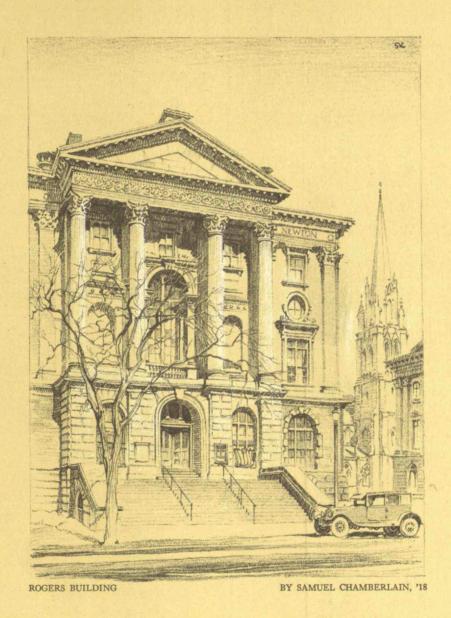
THE TECHNOLOGY REVIEW



JULY 1927

RELATING TO THE

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

technology review

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July 1, 1927

Dear Alumni:

Technology Club of Central Ohio has been in action again. At a recent meeting Dean Burton was our honored guest. His Dormitory Project was backed by our unanimous vote.

I notice that Dean Burton carries with him several pictures showing the proposed dormitory quadrangle and its relation to the other buildings. Thus we can visualize the plan in an instant more clearly than pages of words could tell. I guess we are all picture readers. There is a popular expression in advertising circles that "your story in pictures leaves nothing untold."

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The TECHNOLOGY REVIEW

Relating to the Massachusetts Institute of Technology

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ELISHA LEE, '92, President

SAMUEL C. PRESCOTT, '94. Vice-Presidents
HENRY F. BRYANT, '87

ORVILLE B. DENISON, '11, Secretary-Treasurer

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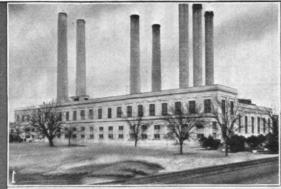
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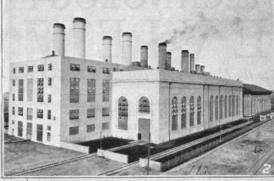
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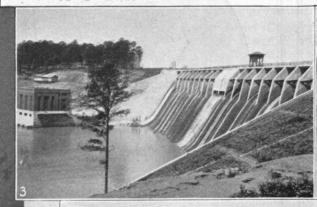
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The TECHNOLOGY JULY, 1927 NUMBER 8

The Trend of Affairs

Graduation

IGHT Doctors of Philosophy, four Doctors of Science, one Doctor of Public Health, six Masters of Architecture, 145 Masters of Science, and 409 Bachelors of Science, or a total of 573 degree holders stepped down from the rostrum during the Institute's graduation exercises on June 7. For this year as for the past two years, weather permitted the exercises to be held successfully in du Pont Court and sufficient calm prevailed to permit an orderly and unruffled academic procession from the façade of the main building to the platform — an impressive march, dignified and colorful, silhouetted against the white limestone.

VOLUME 29

Leading the procession was President Samuel W.

Stratton, with his escort, Alexander Macomber, '07. John E. Aldred, later to deliver the Commencement Address, followed with Professor Charles M. Spofford, '93, Chairman of the Faculty. Then marched Bishop William Lawrence escorted by Professor H. M. Goodwin, '90, Dean of Graduate Students: Col Charles D. Roberts, Chief of Staff of the First Corps Area, by Col. Harold E. Cloke, Head of the Department of Military Science and Tactics, and Admiral Philip Andrews, Commandant of the Boston Navy Yard, by Professor James R. Jack, Head of the Department of Naval Architecture. The Class of 1877 which had been holding its fiftieth anniversary was given a place of honor in the academic procession. Twentyone members of the Class led by their President, Charles A. Clarke, and their Secretary, Richard A. Hale, with Professor Samuel C. Prescott, '94, acting

as Class Marshal, marched behind the Corporation and Faculty. Candidates for degrees from Doctorates to Bachelors followed.

Ceremonies were opened by the invocation of Bishop Lawrence and this was followed by the Commencement Address of John E. Aldred of New York. Col. Roberts addressed the members of the Reserve Officers Corps and Major Lewis E. Goodier administered the oath of office to the budding second lieutenants.

President Stratton then announced a score or more of special awards and honors. These awards included the following: Guggenheim Memorial Fellows: Philip Franklin, Assistant Professor of Mathematics and Manuel Sandoval Vallarta, '21, Assistant Professor of Physics. Traveling fellowships for study abroad: John B.

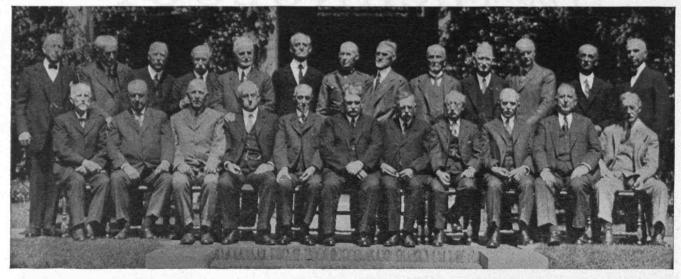
Drisko, '27, Traveling Fellow in Hydraulic Engineering; Robert C. Dean, '26, Traveling Fellow in Architecture; Eli Lurie, '22, Moore Traveling Fellow in Chemistry.

Gerard Swope Fellowships: Frank Massa, '27, Department of Electrical Engineering; Elwood A. Church, '27, Department of Physics. Automotive Engineering Fellowships: Charles S. Draper, '26, Electrochemical Engineering; Harold Heins, '27, Physics; Augustus R. Rogowski, of the Senior Class, Sheffield Scientific School, Yale University; Victor C. Smith, '24, Research Assistant, Department of Chemical Engineering.

Fellowships awarded to graduate students: Julian W. Hill, Susan H. Swett Fellowship; Robert J. Horn, Fuel and Gas Engineering Fellowship; Ralph B. Johnson, Verges Fellowship; Hans O. Kundt, Edward Austen Fellowship; Campbell R. McCullough, James Savage



ERIC F. HODGINS, '22 Since 1922, the Managing Editor of The Review, he resigns on July 1 to take a similar position with the Youth's Companion. See page 478



FIFTY YEARS OUT

Members of the Class of 1877 on June 6, celebrated their Fiftieth Anniversary by a luncheon with the President of the Institute, an event now well established for fifty-year classes. President Samuel W. Stratton is seated in the center with the President and the Secretary of the Class, Charles A. Clarke and Richard A. Hale, seated on his right and left respectively. Below: President Clarke proffers felicitations to James A. Lyles, who follows him in the Senior Class Presidency, fifty years afterward

Fellowship; William J. Sweeney, du Pont Fellowship; Ralph F. Tefft, Richard Saltonstall Fellowship; William A. Zisman, Malcolm Cotton Brown Fellowship. Rotch Prizes: Ira D. Beals, for the best academic record throughout the four year course in Architecture; Thomas H. Dreihs, '22, for the best academic record of a special student in architecture.

Immediately after the close of the ceremonies President Stratton held the customary reception at Walker Memorial for the degree holders, their friends and parents. In the receiving line with him were Mr. and Mrs. Aldred, Mr.

and Mrs. Munroe, Dr. and Mrs. Prescott, Dr. and Mrs. Goodwin and Professor Spofford.

Cooptations

A meeting of the Corporation on June 3, two candidates, John E. Aldred and Frank W. Love-joy, '94, were accepted for life membership in that body. The three nominees for term membership from the Alumni Association, Roger W. Babson, '98, Elisha Lee, '92, and William Z. Ripley, '90, were likewise elected. The list of Faculty promotions included three to the grade of Professor, three to the grade of Associate Professor, nine to the grade of Assistant Professor, ten to the grade of Instructor.

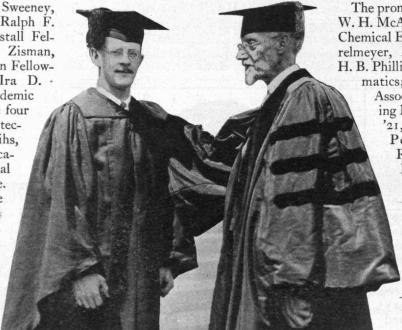
The promotions were as follows: W. H. McAdams, '17, Professor of Chemical Engineering; H. R. Kurrelmeyer, Professor of German; H. B. Phillips, Professor of Mathematics; I. H. Cowdrey, '05, Associate Professor of Testing Materials; J. L. Gillson, '21, Associate Professor of

Petrography; W. P. Ryan, '18, Associate Professor of Chemical Engineering; H. O. Forrest, '20, Assistant Professor of Chemical Engineering; P. K. Frölich, '23, Assistant Professor of Chemical Engineering; F. W. Adams, '21, Assistant Professor of Chemical Engineering; T. H. Frost,

'21, Assistant Professor of Physics; James Holt, '19, Assistant Professor of Heat Engineering; A. S. Jenney, '83, Assistant Professor of Architecture; W. H. Newhouse, '23, Assistant Professor of Mineralogy; P. W. Norton, '08, Assistant Professor of Architecture; F. J. Robinson, '08, Assistant Professor of Architecture; A. L. Russell, '18, Assistant Professor of Electrical Engineering; D. C. Stockbarger, '19, Assistant Professor of Physics.



SINCE the last issue of The Review two meetings of the 1926–27 Alumni Council have occurred. Both of these drew small attendances; the optimistic minutes of the Secretary credited thirty-four to the first and



Courtesy Boston Advertiser

thirty to the second. The average figure for the year was sixty-one and the attendance at the last two meetings of 1925-26 were seventy-one and fifty-six. This sharp decrease is commonly ascribed to the scheduling of meetings on Friday instead of on Monday evening.

The 127th Meeting had a salad orator, the last of the year. He was Charles C. Smith, '27, who described the then forth-coming Open House night. One other speaker from the outside was on the program, Thomas C. Desmond, '09, of New York, who

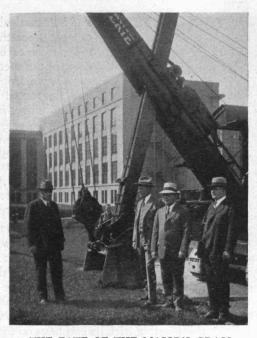
added to his thrice-told tale of the Convention of the Technology Clubs Associated and the plans for the National Technology Center.

The remaining part of the meeting was a business routine. President Elisha Lee, '92, announced that the Executive Committee, prior to the Council Meeting, had

re-appointed Orville B. Denison, '11, to his fifth year as Secretary-Treasurer of the Alumni Association. He also announced the result of the election of officers for 1927–28 as follows: President for one year, Samuel C. Prescott, '94; Vice-President for two years, George E. Merryweather, '96; Executive Committee for two years, Frederick Bernard, '17, and Allan W. Rowe, '01; representatives at large, for two years, Prescott V. Kelly, '13, Charles W. Loomis, '16, Neal E. Tourtellotte, '17, Paul M. Wiswall, '09, and Harry H. Young, '91. (See The Technology Review for March, 1927.)

Classes, the numerals of which ended in three or eight, had chosen new representatives for five-year terms. They were: 1868, Robert H. Richards; 1873, Francis H. Williams; 1878, James W. Rollins; 1883, Horace B. Gale; 1888, John C. Runkle; 1893, George B. Glidden; 1898, Elliott R. Barker; 1903, John W. Howard; 1908, Herbert T. Gerrish; 1913, Ellis W. Brewster; 1918, Julian C. Howe; 1923, E. E. Kattwinkel.

In the Committee appointments were John E. Burchard, 2d, '23, succeeding



THE FATE OF THE MAJOR'S GRASS

President Samuel W. Stratton, with Drs. George
W. Morse, Medical Director, Lewis W. Croke,
Assistant Medical Director, and Benjamin E.
Sibley of the Institute's Department of Hygiene,
preside at the breaking of ground for the new Homberg Memorial Infirmary, June 9

Frank H. Bourne, '95, on the Committee on Assemblies; Henry D. Jackson, '97, succeeding himself on the Committee on Historical Collection; and Frank A. Merrill, '87, succeeding himself on the Committee on Permanent Funds. The report of the Special Committee to Nominate Representatives for Alumni Advisory Councils, all for a term of three years, was accepted, with its nominations as follows: Athletics, Allan W. Rowe, '01, and H. S. Wilkins, '14; Tech Show, Frederick Bernard, '17; Boat House, John L. Batchelder, '90; Walker Memorial Building, Arthur L. Shaw, '09; Musical Clubs, William P. Lowell, Jr., '26. To take the place of Henry A. Morss, '93, on the Alumni Dormitory Fund Committee, President Lee appointed Merton L. Emerson, '04.

128th Meeting

THE meeting, May 27, aside from a discussion of the Convention of the Technology Clubs Associated by Paul M. Wiswall, '09, was a succession of reports, several of which were read by the Secretary-Treasurer himself in the absence of committee chairmen. The annual election of members of the Nominating Committee for a three-year term was held at

the beginning of the meeting with the result that George L. Gilmore, '90; Percy R. Ziegler, '00; and Edward L. Moreland, '07, were chosen. The report of Frederick A. Hannah, '95, on the Walker Memorial Building precipitated a discussion of the necessity of enlarging this building to give activities more office space and students more



AN EYE FOR COLOR

The accurate new colorimeter, developed in the Institute laboratories, here shown classifying the color of an apple. Assistant Professor Arthur C. Hardy, '18, (left) and Frederick W. Cunningham, '25, are operating the apparatus. See the story on page 472

lounging room. Definite action was deferred. This meeting lasted one hour longer than did the preceding one; adjournment *sine die* came at 9:45 P.M.

Matching Machine

EASUREMENT of color, hitherto a tedious process depending upon the skill of the observer, has been reduced to an automatic operation through the development of a colorimeter by Assistant Professor Arthur C. Hardy, '18, and Frederick W. Cunningham,

'25, of the Department of Physics. This new device entirely eliminates the element of human judgment and operates mechanically. Where it was possible to make only a few observations a day under old methods, this colorimeter makes accurate records as rapidly as color specimens can be placed in the instrument.

Not only does it measure a color accurately, but it makes a record by which it is possible to match that shade at any future time. Thus all possibility of fading of a standard color is eliminated and any color can be reproduced indefinitely. The fact that the new instrument records on paper means that a color sample can be examined in Cambridge, the record transmitted across

the continent by wire, and the original color accurately reproduced in San Francisco within a few hours.

The specimen color placed in the holder is lighted by a tungsten filament lamp which gives an illumination of more than fifty times the intensity of bright sunlight. Water filters are used to prevent the light from setting fire to the specimens. In making the measurement, magnesium carbonate is used as the standard of comparison. Light is alternately reflected from the specimen and the magnesium carbonate and acts upon a photoelectric cell in which it sets up an alternating current. This current is fed to a vacuum tube amplifier which increases the power ten quadrillion * times



and automatically keeps the amount of light from the specimen and the magnesium carbonate balanced. The color of the specimen is analyzed at each wave length of the spectrum and the record is reproduced automatically by a pencil. The result is a description of the color by means of which the identical shade may be reproduced as often as desired.

Seismological Society

ANTICIPATING and preparing for earthquakes were the major subjects discussed at

the meetings of the eastern section of the Seismological Society of America, in session at the Institute, May 4 and 5. A general awakening to the obligation and forethought the structural engineer must assume in preventing disastrous building destruction was made evident at this meeting with its emphasis on the engineering aspects of the problem.

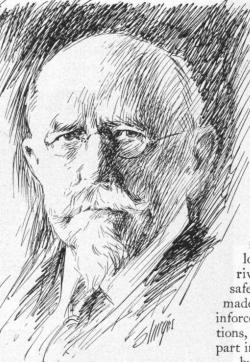
That the seismologist with his seismographic records has done little to aid the engineer in constructing quakeproof buildings was brought to the surface very pointedly by John R. Freeman, '76, when he stated that his study of earthquake data on the Pacific coast and his general experience had forced him to the conclusion that the

seismograph is merely a plaything for the super-scientist and not a practical instrument for structural engineers.

Professor Charles M. Spofford, '93, Head of the Institute's Department of Civil Engineering, gave a paper on "Types of Structures Best Fitted to Resist Earthquakes." "The engineering question," read he, "is not merely that of determining an earthquakeresisting type of construction, since this is a problem which in itself presents no serious difficulty. The ocean traveler who rides with safety over great seas in the gigantic Leviathan travels in a structure which would be as safe in time of earthquake as in time of storm. The steel-framed buildings of lower Broadway, founded on solid rock and riveted securely together, would be equally safe, if walls, doors and partitions were to be made of steel plates as is the ship, or of reinforced concrete. As in other engineering questions, economy must, however, play a leading part in the solution. It is necessary not only to

build securely, but also with due regard to economy of construction, to the customs and tastes of the people, and to the natural resources of the country."

Following these papers on the engineering aspects of the problem, the Reverend Francis C. Tondorf, S. J., of Georgetown University, queried if engineers could build an earthquake-proof building at a cost not



Courtesy of the Christian Science Monitor JOHN R. FREEMAN, '76

Former consulting engineer for the Chinese Government, for the Panama Canal, and many other projects, he holds an eminent position in the engineering world. He spoke to the Faculty Club, June 3, on Mississippi River Flood Control, and addressed the Seismological Society meeting at the Institute, May 4

^{*10,000,000,000,000,000} is commonly called ten quadrillion in the numerical notation of France and the United States. In the English and German system this number would be called ten thousand billion.

prohibitive, even if they had all the data. Mr. Freeman replied in the affirmative.

Among the many other papers read was one by Louis H. Young, '13, Assistant Professor in the Institute's Department of Physics, on "Vibration Problems in Industry." Presiding over the meetings of the Society was James B. Macelwane, S. J., a member of the faculty of St. Louis University. In all nearly a score of papers were read and forty geologists, engineers, and seismologists were in attendance. The meeting was of special

interest because the Institute is completing plans for a seismological observatory at East Machias, Maine.



SEISMOLOGISTS

Earthquake experts of the Eastern Section of the Seismological Society of America, met at the Institute on May 4 and 5

Bench Mark

ITHIN recent years scientists have been puzzled by tiltings of the land toward the sea. These changes, which have been detected in the work of the United States Coast and Geodetic Survey, cannot be accounted for by any known tidal action or rise and fall in the land. As a check, therefore, a permanent bench mark, which, it is believed, will be the only point of precise elevation east of Minnesota, is being established by the Department of Civil Engineering on the Institute grounds.

The steel-encased shaft of concrete in which the bench mark will be placed was sunk to a depth of 120 feet, and the conical point of the shaft was driven five feet into the solid rock encountered at that depth. The point of elevation will be riveted to the sheathing of the shaft and bound in concrete. The top will be protected by a frost and a waterproof cubicle.

Aside from its value for instruction in surveying at the

Institute, the new bench mark will be available to the Coast and Geodetic Survey and the engineers of the Army. As a point of unvarying elevation, it will make possible accurate studies of settlement in the large areas of made-land in and about Greater Boston, and may be used for observations on other vertical changes in the earth's surface.

By establishing the relative elevations of the new bench mark and the tidal gauge at the Charlestown Navy Yard, and by running precise levels between the two points, it will be possible to study to what extent, if any, the land in this section is changing. More extended examination of land changes can be carried out by establishing an accurate comparison in elevation between the bench mark at Technology and some fixed point of elevation far inland and it is expected that studies made here will be linked with observations and surveys to detect land changes and movements of the earth's crust already started at the Civil Engineering Camp near East Machias, Maine.

Cosmic Dicta

EXPLORATIONS of the universe no less than of the world continue with unabated zest. The latest researches in astrophysics have revealed that physical conditions on either Venus or Mars permit some forms of life, and recent data collected on the sun indicates enough energy already generated to maintain the present rate of solar radiation for about fifteen trillion years.

These conclusions, surely very depressing to the catastrophists and scientific pessimists, were stated by Charles G. Abbot, '94, acting Secretary of the Smith-

sonian Institution and director of its Astrophysical Observatory, when he spoke before the biennial meeting of the American Philosophical Society in Philadelphia, April 29. He said:—

Of Venus: "... the temperature of the planet Venus is approximately that of our tropics and is suitable for luxuriant vegetation. Venus, however, is surrounded by a heavy blanket of clouds and it is impossible for us to determine through the use of the spectroscope whether conditions are such that life might exist there."

Of Mars: "It is estimated that the



midnight temperature of equatorial Mars is minus forty degrees Centigrade. The night temperature would seem to exclude from Mars the higher types of life but might permit certain archaic types to exist."

Of the sun: "If the sun is burning itself out, there is already sufficient energy generated to maintain the present rate of solar radiation for about fifteen trillion

years."

Of ozone: "If it were not for the high level of atmospheric ozone the inhabitants of the earth would either be blinded or suffer from rickets, as the sun and stars would send shorter wave lengths."

Busy Friday

OMING out of a light mist into sunlight and stealing quietly along in the precise formation characteristic of the Navy, the greatest armada of American war vessels ever gathered in an American port came to New York on April 29. As it arrived, observers counted but 117 vessels instead of the 122 expected, because of an explosion on the U.S.S. Langley, flagship of the air forces of the fleet. She had to drop out of line off Ambrose Light with four other craft standing by to render aid.

This happened about 7 A.M. and, while the accident paralyzed all electrical machinery aboard, it was not allowed to interfere with the plans of the *Langley's* distinguished passenger, Assistant Secretary of the Navy for Aëronautics, Edward P. Warner, '17, who transferred his flag to the

aircraft tender *Gennet* and debarked in time to keep a luncheon appointment at the Waldorf-Astoria.

There the Aëronautical Chamber of Commerce had more than 100 waiting guests, the principal one being Commander Francesco de Pinedo, Facist four continent flyer, who Lester D. Gardner, '98, of Aviation, lauded as "the premier long-distance and cross-country flier of the world." Secretary Warner in speaking recalled the memorable arrival of Columbus at San Salvador and compared it with de Pinedo's pioneering methods.

That evening, in company with his colleagues, the Assistant Secretary of War for Aëronautics and the Assistant Secretary of Commerce for Aëronautics, Secretary Warner dined and, after dining, spoke at the

Yale Club. The Daniel Guggenheim Fund for the Promotion of Aëronautics was host, its President, Harry F. Guggenheim, presided, and President Samuel W. Stratton was an honored guest.

For some time it has



Professor Charles M. Spofford, '93, peers curiously at the well being drilled in the Institute's front yard, not for oil or water but for the placement of a bench mark in solid rock. See the story on opposite page

been known that the Guggenheim Fund, which has already done much for the development of commercial aviation and aëronautical education (See The Technology Review for February, 1927) contemplated a competition with a view to improving safety of flying. Plans for this were formally announced at the dinner. They provide \$150,ooo in prizes for the contest, to be awarded wholly on performance indicating the degree of safety achieved by competing aircraft under rules drawn up with the assistance of Lt. Edwin E. Aldrin, S.M. '17, and with special consideration from the pilots' point of view by Lt. James H. Doolittle, S.M. '24.

In commenting on this Safe-Aircraft competition, of which he is to be one of the Committee of Judges under the chairmanship of Orville Wright, Secretary Warner concluded his busy day by discussing the present state of aëronautics and the possibilities of improvement.

In Philadelphia

EDNESDAY afternoon, May 18, the Franklin Institute of Philadelphia held its Medal

Meeting, dispensed seven golden and three silver tokens, honored three Technology graduates — Wilfred Lewis, '75, of the Tabor Manufacturing Company; William D. Coolidge, '96, Assistant Director of the Research Laboratory of the General Electric Company; George E. Hale, '90, Honorary Director of the Mount Wilson Observatory, inventor of the spectroheliograph, and discoverer of many facts about the sun.

To the first of these it gave one of two silver Edward Longstreth Medals and to Dr. Coolidge to whom, on October 20, 1926, it awarded the gold Howard N. Potts Medal (See The Technology Review for December, 1926), the gold Louis E. Levy Medal. On Dr. Hale it conferred one of the two gold Franklin Medals and a

certificate of honorary membership, the recipient of the other being Professor Max Planck of the University of Berlin.

> For 1925 the Franklin Medal, which is the highest gift of the Franklin Institute, was awarded

PIPE CLEANER

Before and after the application of a new chemical method, cheap and effective, recently developed by the Department of Chemical Engineering for removing rust in water pipes

to Elihu Thomson, former acting-President of Technology and for many years a Life Member of its Corporation, and, in 1926, Neils Bohr, Director of the Institute of Theoretical Physics at Copenhagen, and Samuel Rea, former President of the Pennsylvania Railroad, were similarly honored. The award is made annually "from the . . . Fund, founded January I, 1914, by Samuel Insull, Esq., to those workers in physical science or technology, without regard to country, whose efforts have, in the judgment of the Institute done most to advance a knowledge of physical science or its applications."

Further Medals

OT to be outdone by the Franklin Institute, other bodies hastened to confer medals on two of those mentioned above (Dr. Coolidge and Mr. Lewis) and in addition the National Sculpture Society last May gave its medal of honor (the first of its kind to be awarded) to Daniel C. French, '71, for his "outstanding achievements in sculptural art and his recognized leadership in the profession in this country." Dr. Coolidge received the medal of the American College of Radiology, "in recognition of his contribution to radiology and the science of medicine."

To Mr. Lewis, in addition to his silver Edward Longstreth Medal from the Franklin Institute came one of gold (See pages 472 and 473) from the American Society of Mechanical Engineers, weighing "nearly half a

pound, avoirdupois, and with it, for convenient use, a gilded replica which can be distinguished only by its lighter weight." He received it May 24 at White Sulphur Springs, Va., from President Charles M. Schwab at the conclusion of an address by Conrad N. Lauer, who said of Mr. Lewis: "This man is a world authority on

gears. His formula, the universal guide in gear design, is the result of abstract analysis rather than of elaborate experimental tests. He was the first specialist to eliminate the rule-of-thumb in gear design and place it on a sound engineering basis. . . .

"This noted engineer has contributed valuable engineering work to the public without thought of reward. His papers and discussions before the Society for a period of over forty years show the unselfish service he has rendered to the profession and the public. . . .

"Mr. President, on behalf of the members and council of this Society, I have the great honor to present another great engineer to join the ranks of Freeman [John R., '76], Halsey and Millikan as a recipient of the A. S. M. E. Medal, the highest award in the bestowal of the Society."

Elephant and Ankus

"A LOUD laugh laughed he." In fact, President Coolidge has never been known to smile so expansively, at least he has never before permitted a camera to catch him in the act. It was upon the occasion of his arrival in New York, April 25, to speak at the anniversary dinner of the United Press. The latter organization had designated its President, Karl Bickel, to welcome the President officially, and he was at the Pennsylvania Station to do it.

But there were others there also, to wit, one baby elephant, the New York Young Republican Club, and its President, Thomas C. Desmond, '09. So formidable a delegation as this, uninvited and unexpected, naturally stole a bit of Mr. Bickel's thunder, though not in any sense to his displeasure. As the newspapers phrased it,

"the Club's young President, Tom Desmond, made a clever speech." It ended thus: "As President of the New York Young Republican Club, I have here with me a bouquet of flowers and a

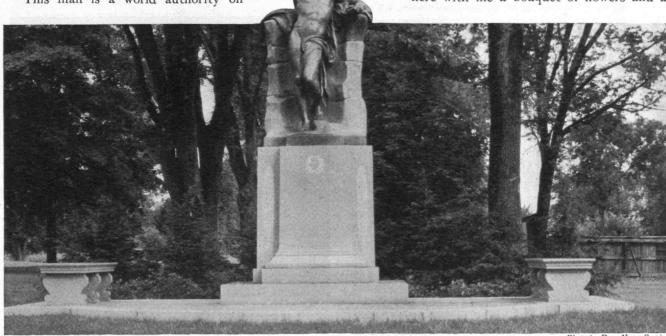


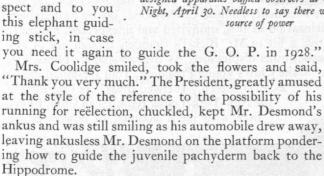
Photo by Dorr News Service

IN FLANDERS FIELDS

For a War Memorial in Milton, Massachusetts, Daniel Chester French, '71, chose as a theme the poem of John McCrae — "To you from failing bands We throw the torch; be yours to hold it high." See this page

baby elephant, the mascot of our club. We do not ask you at this time whether you will consent to ride the elephant again for another four years, but you certainly ought to be able to see for yourself that the elephant is willing. We hope that, when you and Mrs. Coolidge make up your joint mind about riding or not, you will let the youth of the country know at the proper time through the me-dium of the New York Young Republican Club.

"We present these flowers to your loyal wife as a token of our deep admiration and respect and to you



Academies

MPORTANT among those chosen for membership and those elected and reëlected to office at the meeting of the National Academy of Sciences in April and that of the American Academy of Arts and Sciences in mid-May were ten Alumni, three members of the Faculty, two former members of the Faculty and one former Visiting Professor from Switzerland.

The National Academy chose George E. Hale, '90, (See page 474) as one of its governing council, and elected Albert Sauveur, '89, Gordon McKay Professor of Metallurgy and Metallography at Harvard, as a member. Coincidentally, George K. Burgess, '96, Director of the Bureau of Standards, was reëlected treasurer of the National Research Council and vacancies in the membership-at-large of the executive board of this Council were filled by James F. Norris, Professor of Organic Chemistry at Technology and former President of the American Chemical Society, and John R. Freeman, '76. (See page 472.)

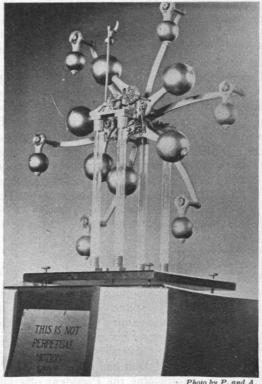


Photo by P. and A.

PERPETUAL MOTION

Giving the illusion of perpetual motion, this cleverly designed apparatus baffled observers at Open House Night, April 30. Needless to say there was a hidden

Thirteen foreign scholars and scientists were elected honorary members by the American Academy and thirty-five "Fellows" were admitted to active membership. Among the former group was Peter Debye, Professor of Physics at the Technische Hocschule at Zurich, Switzerland, who delivered twenty lectures at Technology during the second term of 1924-25 on "Some Aspects of Modern Physical Chemistry." Four of the new "Fellows" were: Robert S. Weston, '94; Allan W. Rowe, '01; James H. Means, '06; Gordon M. Fair,

As President for 1927-28, the Academy chose Edwin B. Wilson, former Head of the Department of Physics, and reëlected to their respective offices the following: Vice-President for Class I, (Mathematical and Physical Sciences) Arthur E. Kennelly, former Professor of Electrical Communications; Corresponding Secretary, Robert P. Bigelow, Professor of Zoölogy and Parasitology; Librarian, Harry M. Goodwin, '90, Dean of Graduate Students; Treasurer, Ingersoll Bowditch, '00; Editor, William S. Franklin, Professor of Physics.

In Brief

URTHER honors, appointments, and the like, which, if uncircumscribed by the space limitations of an unusually crowded number might have furnished matter to fill an extra form of The Review, came to Technology men during the months of May and June. Mere passing mention of but a few is possible.

Samuel C. Lind, '02, Dean of the School of Chemistry



Photo by Times Wide World

IN DRY DOCK

The Bowdoin, flagship of the MacMillan Arctic Expedition, with cargo piled bigb on foredeck throwing the stern in the air and empty casks supporting the propeller shaft above the water, so that repairs could be made. Clifford Himoe, '30, is radio operator on the present expedition. See story on opposite page

at the University of Minnesota, was elected President of the American Electrochemical Society, and Hiram P. Maxim, '86, was chosen to fill a similar office for the 70,000 members of the Amateur Cinema League.

George W. Fuller, '90; Robert S. Weston, '94; and Harold W. Streeter, '07, delivering papers on "Pollution of Streams by Industrial Wastes," "Impounded Waters as a Source of Water Supply," and "Polluted Water as a Source of Water Supply," respectively, were the three speakers before the general session of the American So-

ciety of Civil Engineers which met at Asheville, N. C., April 20-22.

And on May 19, Arthur D. Little, '85, delivered an address on "Impending Changes in Our Uses of Fuels," before the Engineering Foundation of which he is Vice-Chairman. The Foundation, in securing Dr. Little for this lecture, followed its established custom of devoting the May meeting to the promotion of interest in the Foundation, its achievements and aims, by presenting through an able exponent a subject of timely interest.

Outside Loop

TINE months, lacking but a week, after becoming, on September 2, 1926, the first American aviator to accomplish a non-stop flight over the Andes from Santiago, Chile, to Buenos Aires, Argentine, Lt. James H. Doolittle, S.M. '24, successfully negotiated above Dayton, Ohio, an "outside loop." It had never been done before.

Contrary to procedure on the ordinary loop, the flyer turned the nose of his ship downward when flying at 150 miles per hour at an altitude of 8,000 feet. He kept on that course performing a complete loop, but required a drop of more than 2,000 feet, during which he attained a speed of 280 miles per hour, before the loop could be completed. He was on the "outside of the circle" throughout and was held in his seat only by straps. When Lt. Doolittle landed his eyes were bloodshot and there was evidence of a hemorrhage of his lungs, but he was later reported to be suffering no ill effects.

Lt. H. J. Hutchinson, chief test pilot of McCook Field, and six other flyers vouch for the authenticity of Lt. Doolittle's "outside loop." So far as is known, there have been no attempts to make an "outside loop" since 1912, at which time two aviators lost their lives in an attempt.

To the Arctic

ADIO-TELEPHONIC service, making it possible to broadcast Eskimo music as well as affording communication between the two boats of the 1927 MacMillan expedition to the north, is one of the objectives of Kenneth M. Gold, '29, and Clifford Himoe, '30, recently chosen radio operators, respectively, for the schooner Radio and the Bowdoin.

The expedition, headed by Donald B. MacMillan and

Twenty-fibe Pears Ago in The Review

RTICLES: "John Daniel Runkle: 1822-1902" by Harry W. Tyler, '84; "Shall the Institute Remove from Its Present Site?"; "Government Architects" by William W. Stevens, '98; "A Memorial on Professor Alpheus Hyatt."

COMMENCEMENT WEEK: On June 6, at the Hotel Brunswick, the annual reception of the Alumni Association to the graduating class "was attended by almost all the members of the Class of 1902 and by about a hundred Alumni." Frederick H. Fay, '93, Vice-President of the Association, presided. President Pritchett, "Mr. A. Lawrence Lowell," Professor Alfred E. Burton, Henry H. Carter, '77, and Harold Y. Currey, President of the Class of 1902, spoke. It was Professor Burton's maiden speech as Dean.

On June 8 the baccalaureate sermon was preached at the New Old South Church by Dr. George A. Gordon, Class Day came on June 9 with Louis S. Cates, '02, as first marshal; the commencement exercises being held one day later in Huntington Hall.

ORPORATION NOTES: At the 293d meeting on June 6 various visiting committees reported and the President "was authorized, on request of any visiting committee, to appoint a committee of Alumni to serve in conjunction with the committee so

The resignation of Alexander S. Wheeler as a member of the Executive Committee was accepted, and "on recommendation of the Committee on Nominations, Messrs. Frederick Perry Fish, Charles Augustus Stone, '88, and Francis Lee Higginson were unanimously elected members of the Corporation."

Among the Faculty appointments confirmed were: Harry W. Tyler, '84, Head of the Department of Mathematics; Louis Duncan, Head of the Department of Electrical Engineering; Forris Jewett Moore, Assistant Professor of Analytical Chemistry; Harrison W. Hayward, '96, Instructor in Mechanical Engineering; Newell C. Page, '02, Assistant in Physics.

ACULTY NOTES: At the annual meeting held on May 7, Professor Harry W. Tyler, '84, was reëlected Secretary; Professor Alfred E. Burton was elected Dean; Walter Humphreys, '97, was appointed Registrar; Professor Harry M. Goodwin, '90, became chairman of the Committee on Publications.

Ten Dears Ago in The Review

Issue: July, 1917

ESIDES page after page recounting Technology's effort to assist in the prosecution of the war, this issue carried announcements of the deaths of former President James M. Crafts and of Professor William R. Ware, '75, founder of the Department of Architecture; and of the resignation of Professor Charles Robert Cross, '70, who had been a member of the Institute's staff for forty-six years and of whom Professor Harry W. Tyler, '84, wrote, "Professor Cross has taught an incomparably larger proportion of all Tech men than other members of its faculty. To thousands of them 'Charlie Cross's' lectures in second-year Physics are still - however much or little enjoyed at the time - models of clear and elegant scientific exposition."

THIS issue was the one in which Professor Robert E. Rogers, who referred to himself as "the present and temporary editor" because "Mr. Litchfield is in Washington and, like everybody else in Washington, doing four men's work," promised to "give as complete and vivid account as possible of the war time activities of the Institute." In fulfilling this promise he reported that "the war found the Institute prepared . . . [and] President Maclaurin formally offered the laboratories for whatever use might be made of them. . . . The result is that all summer long the white buildings by the Charles have been the scene of constant activity, the government having found the Institute one of the most suitable places at its disposal to train the men who must do our fighting.

MONG the earliest activities which Professor Rogers cited were: the course for naval constructors offered by Professor Cecil H. Peabody, '77; the naval reserve officer's school; the aviation officer's schools of the Army and Navy; the schools for marine engineers and for first officers conducted by Professor Edward F. Miller, '86, and Dean Alfred E. Burton, respectively; the establishment of a "Washington office" to aid alumni in finding their most useful service oppor-

THE sailing of twenty undergraduate members of the "Tech Ambulance Unit" on the S.S. Rochambeau on June 22, 1917, was duly chronicled as was the departure of George C. Whipple, '89; C.-E. A. Winslow, '98; and Henry J. Horn, '88, as members of a special Red Cross Commission to Russia.

under the auspices of the Field Museum of Natural History left Wiscasset, Maine, on June 28. Nain, Labrador, will be the initial destination, for at that place a field base will be set up. The purpose of the expedition is to conduct scientific investigations: data will be collected on glacial drifts, fossil life in coral seams, and a search will be made for Norse ruins.

To make it possible for the two ships, when separated, to communicate with each other easily, MacMillan has commissioned the two Technology undergraduates to

install adequate radio equipment. They are desirous of designing radio-telephone equipment, for that will make the communication more effective. Gold is to remain until autumn; Himoe for a year or more.

Accident Survey

GOD-FREY,
'98, President of the Engineering-Economics Foundation, and in 1917 President of the Technology Clubs Associated, thinks that sixty-one per cent of the costly delays of industrial acci-

dents could be prevented by a plant health service for the education and care of employees. He so observed May 17 at Worcester, Mass., when he presented a survey of 100 New England industries, each employing more than 1000 persons, as the basis of a report to the sixth annual state conference on industrial and highway safety. Many students of industrial accident prevention have pointed out the greater likelihood of accidents occurring when a man is not well, but Dr. Godfrey's survey is said to represent the first attempt to reduce the relation to a definite ratio.

The industries covered ranged from paper making to shipbuilding and included the manufacture of rubber and leather shoes, of woolen goods and textile machinery, of electrical products and automobile bodies. With the exception of a few Connecticut and Rhode Island plants, all data was obtained from Massachusetts corporations, so that averages would not be influenced by varying statutory protection.

That employers generally have not awakened to the importance of preventive work, Dr. Godfrey said, was

evinced in the answers to his questionnaire. While only twenty-seven were unable or unwilling to report the total time lost by accidents, only sixteen of the 100 were able to make a complete report. It was the average loss from accidents of 0.55 days per worker per year in these sixteen plants, contrasted with the 0.90 reported by the thirty-five other plants, that led to Dr. Godfrey's determination of the saving made by an adequate health service.

"Only fifteen per cent," he said, "of industrial sick-

ness can be prevented by public control, that is by vaccination or inoculation, protection against poisons and by purity of food and drink. The remaining eighty-five per cent can only be checked through education, by teaching the importance of personal and social hygiene and by providing adequate advice and care through medical and nursing attention and facilities for rest and hospitalization."

The economic loss by either sickness or accident was computed by the Foundation from

Foundation from figures obtained by the Massachusetts Department of Industry. Taking five dollars as the average daily wage and reckoning this as one-fifth of the value of the production by the worker, a loss in millions in production and of tens of thousands in profits to the company was shown from the annual disabilities in a large plant. The further effects of economic loss in the worker's home, felt not only through the stoppage of his own pay but by the enforced idleness of others to care for him, was also outlined, with emphasis on the great economic value to every plant of educating its workers and the administrators' responsibility for supervising this work.

THE REVIEW is not published during the summer months following July. This issue concludes Volume XXIX. Number 1 of Volume XXX will be published on October 27, and dated November. Readers who bind their copies of The Review are reminded that if they possess eight numbers of Volume XXIX, their files are complete. An index to the Volume will be ready on September 15 and will be supplied post-free upon request.

Staff Changes on The Review

VITH the publication of this number, the last of Volume XXIX, occurs the first important change in the staff of The Review since 1922 with the resignation of Eric F. Hodgins, '22, as Managing Editor.

For Volume XXX, the first number of which will be dated November, 1927, James R. Killian, Jr., '26, who has been Assistant Managing Editor during 1926–27, becomes Managing Editor and John D. Crawford, '27, Editor of The Tech, Volume XLVI, becomes Assistant Managing Editor. John J. Rowlands and Professor Robert E. Rogers will continue as Contributing Editors, as will the undersigned as Editor.

The Review feels acutely the loss of Mr. Hodgins' indefatigable and fruitful services. Largely due to his efforts, the half-decade of his incumbency has embraced five years of plenty. Many comparisons might be drawn between the dun-covered quarterly of 1922 and The Review of 1927, but two are particularly significant: circulation has more than doubled and advertising revenues have more than trebled.

Consequently The Review quite genuinely congratulates The Youth's Companion and the 300,000 readers comprising that weekly's subscription list, for, on July 1, 1927, Mr. Hodgins became its Managing

H. E. LOBDELL, '17, Editor

Henry Paul Talbot,'85: 1864-1927

A Confrère and fellow Faculty member writes of the late Dean of the Institute who died on June 18

THE death of Dean Henry Paul Talbot deprives the Institute of the services of one of its

most cherished Alumni, one who devoted his life in a noteworthily unselfish way to the upbuilding of his Alma Mater. For forty years he gave the best of his brain and heart to the development of teaching and administration and to the advancement of the Massa chusetts Institute of Technology as a great school of

engineering and science.

Dr. Talbot graduated at the Institute in 1885 and received the degree of Doctor of Philosophy from the University of Leipsic in 1890. He returned to the Institute as an instructor and was rapidly promoted through the several grades and was finally appointed Professor of Analytical Chemistry in 1898. He showed marked administrative ability and from 1895 was nominally in charge of the Department of Chemistry, although his official appointment to this post was not made until 1901. He served as Chairman of the Faculty from 1919 to 1921, as Chairman of the Administrative Committee from 1920 to 1923, and as Dean of Students from 1921.

Dr. Talbot's training in chemistry was broad: his work as a student equipped him with the point of view of the analytical chemist; his research for his doctorate was in organic chemistry; and he devoted much attention to the study in Germany of the new physical chemistry which was being rapidly developed at that time. He was impressed with the importance of the advance of the science in this direction, and on his return from Germany he introduced at the Institute a course in physical chemistry, which he taught successfully. This course was one of the first in this subject given in American universities.

When Dr. Talbot took over the instruction of the first-year students, he felt the advisability of bringing before them the more fundamental concepts of the newer chemistry. He accordingly prepared, with the assistance of Professor Arthur A. Blanchard, '98, a text for

By JAMES F. NORRIS Professor of Organic Chemistry this purpose entitled "The Electrolytic Dissociation Theory." Professor Talbot's progressive action in

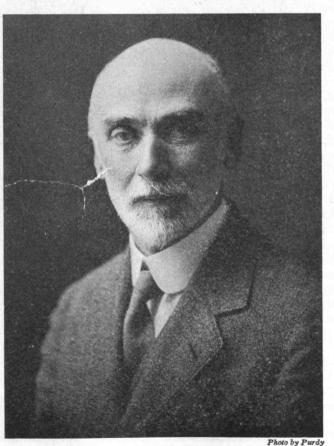
these two cases is typical of his attitude in educational affairs. He was the leader in the development of his department to its present efficient condition and served as chairman of committees on chemical education in the American Chemical Society and the Society for the Promotion of Engineering Education. He showed unusual interest in the teaching of high school science and was helpful in organizations devoted to the improvement of teaching in this field. He served as President of the New England Chemistry Teachers' Association and was for several years chief examiner in chemistry of the College Entrance Examination Board.

Dr. Talbot's record as a member of the American Chemical Society brought to him the honor of election as one of the five directors who determine the more important policies of the Society and have full charge of its finances. He has been a member of the Council since 1898; he served as associate editor of the Journal of the Society and as Chairman of the Division of Inorganic

and Physical Chemistry. He also was a member of many important committees.

During the World War, Dr. Talbot was appointed a member of a small committee to act in an advisory capacity to the Bureau of Mines in the work it had undertaken in correlating the chemical activities of the country to meet the problems arising from gas warfare. He was particularly helpful in presenting to the Secretary of War directly the needs of this organization, which carried on for over a year, outside of the War Department, all the work on war

Dr. Talbot was always interested in research. In the years following his return from Germany he published the results of several investigations in the field of inorganic and analytical chemistry. For a number of years he was chairman of the committee of the American Academy of Arts and Sciences that has charge of the C. M.



HENRY PAUL TALBOT, '85

Dean of Students, former Head of the Department of Chemistry, he
died on June 18, at the age of 64

Warren Fund, the income of which is devoted to aiding chemical research. In recent years, the small amount of time available after he had completed his work as a teacher and administrator was devoted to editorial work and the writing of papers on educational, scientific and industrial subjects. He is the author of a widely used textbook on Quantitative Analysis. Professor Talbot was the consulting editor of the International Chemical Series, which comprises books on a wide range of subjects in the field of chemistry. During the war the *Atlantic Monthly* published a series of papers by him on gas warfare. These were written in the interesting and

lucid style which is characteristic of all of his writings. As Chairman of the Faculty, and of the Administrative Committee after the death of President Maclaurin, Professor Talbot had much to do with shaping the recent policies of the Institute.

Professor Talbot's work has always been appreciated by chemists. Dartmouth College gave him the honorary degree of Doctor of Science in 1921. In bestowing the distinction his record was summed up as follows: "Henry Paul Talbot -Administrator and Scholar, faithful and versatile contributor to the welfare of a distinguished sister institution of high learning; scientist whose interest in the discovery of new truths is matched by instinct for the application of those truths, of whose knowledge you have possessed yourself; by virtue of the

authority vested in me I welcome you to the fellowship of Dartmouth men and I confer upon you the honorary

degree of Doctor of Science."

In the midst of all his scientific, educational and administrative activities Dr. Talbot consented to accept the important appointment of Dean. A factor involved in his decision was, no doubt, the conscientious attitude which was a marked element in his character. If he saw a duty he undertook it and put his best efforts into it. A colleague, who was a former student of his, considered his conscientious makeup to be his outstanding trait; he always had his lectures in such form that it was possible to take logical and well-balanced notes; and he always saw that every student got a "fair deal."

When Dr. Talbot came to the Institute there were no student activities; no *Tech*, no "Show," and fraternity life had not been developed. Although he did not have the advantages that come from these important factors in making men of boys and in developing character and poise, he has always valued them. A former student said that a number of his fellows were led to join fraternities through the high opinion of them expressed by Dr. Talbot. His sympathetic attitude was recognized by his election several years ago to active membership in the

Phi Gamma Delta and Alpha Chi Sigma fraternities. The 1914 *Technique* was dedicated to him, an honor the meaning of which the students know best

meaning of which the students know best.

His belief in student activities showed itself in the interest he took in the undergraduate Chemical Society, which has grown to be an important aid in developing its members. This attitude towards the various organizations controlled by the students had its foundation in the keen personal interest Dr. Talbot always showed in the students as individuals. One of my colleagues, in pointing out the cordial relationship that existed between Professor Talbot and the students who knew him well,

noted the fact, evident to us all, that Dr. Talbot retained the spirit of youth. It could not have been otherwise with the pleasure he derived from the association with younger men. To the younger members of the department which Dr. Talbot directed for so many years, his life was always an example of loyal devotion to an ideal; every official act was the result of a conscientious and unselfish desire to do what was best for the Massachusetts Institute of Technology. His will, filed for probate, just before this was written, expressed in a concrete way his interest in these younger men and in the Institute. He names the Institute as a residuary legatee and suggests, but does not require, that a part or the whole of the bequest be used to assist junior members of the Institute Faculty and in-

A Tribute

THE Institute has suffered an irreparable I loss in the death of Dr. Henry P. Talbot, '85. Since 1881 he had been identified with it as student, teacher and adminisrator, and in all of these capacities his zeal had been unflagging, his work invaluable. As a teacher of chemistry, as Head of the Department of Chemistry, he fostered educational and scientific advancements, notable and lasting. As Dean of Students after 1921 be filled the difficult position of mediator, counsellor and friend to the undergraduate body in a manner that commanded the admiration and won the hearts of all students who came in contact with him. I speak for Faculty and staff, for students and Alumni of the institution, for the advancement of which he sacrificed everything, in expressing the sorrow that prevails throughout our ranks.

SAMUEL W. STRATTON

structing staff to attend meetings of the societies of their professions.

Technique, the undergraduate year book, in 1926 published a message from him which, as an example of his attitude toward the students of Technology, should

be quoted:

"Greetings and God-speed from the Dean! To that great body of students whom the Dean never meets officially; sturdy of intellect, steadfast in character and purpose, the pride of the Institute. To those who bear the heat and burden of the day in Student Government and in Activities; leaders and directors of Tech spirit, toiling with hearty loyalty, and often at personal sacrifice. To the many courageous fellows who strive bravely against great odds to secure an engineering training. To those who, having known sorrow, sickness or financial adversities, have sought counsel and advice. To those few whose academic disasters or human frailties have been the occasion of an official summons now relegated to the hazy past.

"Many strong friendships have their befinnings at the Dean's Desk. May they be as enduring as they are sincere. May the satisfaction which comes from conscious ability to accomplish difficult tasks find deserved fruition in many years of prosperity and happiness."

The Convention Gazette

With dual perspicacity Two Reporters At Large write of the New York Convention of The Technology Clubs Associated, June 10 and 11

Prelude

ABES in the Wood, befuddled and bewildered in the wilderness of Gotham, Two Reporters finally found the Waldorf-Astoria Hotel at 10:10 A.M., Friday, June 10. They inquired immediately for Mr. Desmond's Convention, in fact they inquired thrice, for twice they went astray in the beguiling labyrinths of the Waldorf. The third try proved successful and the Waldorf Apartments were no sooner found than Robert H. Richards, '68, had them by the hands administering a greeting with all the vigor of his proud place as the Institute's oldest living graduate - a vigor that the Institute's youngest graduate could not approach. So was he greeting all that morning, and if Mr. Desmond's Convention was in any way a success it was because it was initially suffused with the spirit of "Bobby" Richards.

Reassured by this heartiness, The Two Reporters assumed their most charming naïveté, set about registering, and found it simple beyond all expectations, in fact, they confessed to themselves later that they found it pleasant, so adequately had Oscar de L. Mayer, '19, arranged all the details and their administering personnel. Another round of greetings came next and lasted until the gong sounded, which in this instance was the Oyez, Oyez of Mr. Desmond calling the court to convene in the adjacent assembly room. The crowd seemed reluctant to leave their confabulations and it was not until 11:27 that the President felt there to be a sufficient quorum present to call the meeting to order. This quorum was slightly less than 100, of whom three were women.

President Desmond made his welcome emphatic by restraint and hastened onward to a resumé of what was going to happen from then on until Saturday evening, and by the time he had finished this, The Two Reporters were girding their loins for

a series of events second only to those which occurred on the following Monday when Lindbergh arrived. The next matter was the necessary but trite one of reading the minutes of the last meeting, that one held in Cincinnati, April 23, 1926. A motion to accept the minutes as read came from aforementioned Mr. Richards and was immediately seconded and passed.

Richardesque as the assembly had been so far, it was destined to be more so. President Desmond announced that the first speaker of the Convention was Mr. Richards, and before the echoes had died away from the cheer given him, he was on the rostrum speaking on "The Period of Rogers at the Institute." With a fine dignity and the proper brevity he described this formative period and was done by 12:10 o'clock. Within the minute the meeting was adjourned until 2:30 P.M. Whereupon The Two Reporters exercised their preroga-

tive to become fissiparous and set out to see what might happen at the fraternity luncheons, scheduled for one o'clock at points ranging from 205th Street southward to the Battery.

Business, Fortissimo

It was a hot time in Gotham Friday afternoon, with the temperature close to 90 degrees but the business of the day was not to be deterred, and when the meeting was called at 2:40 P.M., 190 or more were present to lend their ears to what was inevitably to be a discussion of the National Technology Center. Mr. Desmond forthrightly, and with no ado, raised his baton and launched into that subject with unmistakable enthusiasm; he set out from the start allegro con molto and he kept his carefully selected orchestra moving with sureness apace. Four speakers were scheduled to talk about the proposed building, and in the order of appearance they were: James P. Munroe, '82, Secretary of the Corporation; President Samuel W. Stratton; Isaac W. Litchfield, '85; Orville B. Denison, '11. From the



"-UNQUALIFIED SUPPORT"

The New York Convention approved, in principle, the National Technology Center. President Thomas C. Desmond, '09, presented this, the latest design of a suitable building—done by Chandler Stearns, '17



"—MANY ENGAGING STORIES"

Charles T. Main, '76, and President Samuel W. Stratton on the top-side of the Peter Stuyvesant

plained that the Corporation's attitude would depend upon the result of an investigation being made by a Sub-Committee of its Executive Committee consisting of Charles A. Stone, '88; Charles Hayden, '90; and Gerard Swope, '95. Since he favored the plan he stated that he intended to do all in his power to bring it to consummation if an adequate and safe financial scheme for it might be arrived at.

It was time for the scherzo. Mr. Litchfield was called upon and he responded with a peroration, delivered with all the Litchfieldian graces, and much of the same spirit that went into the writing of "Take Me Back to Tech." He avowed, and he had de-

cided that the Technology Clubs Associated should avow, that the Institute was as much in need of an educational watch-tower in New York as were the manufacturers in need of their industrial and commercial watch-towers there. Mr. Denison next received the signal from Director Desmond to tell what the Alumni in various parts of the country he had visited thought of

the proposed plan.

In a summarizing coda, Mr. Desmond spoke of his plan for enlisting the coöperation of the Technology architects and contractors in New York, and his confidence in the possibility of welding them into an organization to put the project across. He reiterated his belief that Technology men in the engineering business would be anxious to occupy offices in the building; that its location in the fashionable club and engineering office district would make possible the letting of all office space not needed for Technology purposes. And so he ended the symphony on the Technology Center except for a few snatches later. There is no doubt that he had convinced the listeners; opposition simply did not exist.

beginning to the end they produced a concord of sweet sounds without anywhere letting out a discordant note.

Mr. Munroe, in his best argumentative manner, pooh-poohed what he asserted to be a general feeling, although The Two Reporters have not encountered it, that a National Technology Center in New York would detract from the prestige of Technology in Cambridge or interfere with the financial success of dormitories and endowments in the future. Presi-



"STEAMING-OUT TIME"

John C. Chase, '74, and Professor Samuel
C. Prescott, '94, come aboard

Gerard Swope, '95, was the next on the program and he sounded a new theme — the President's job. Hearty tribute was made to President Stratton's administration. The Alumni were exhorted to aid the Corporation and Faculty in bringing to the Institute able and personable students. He was in favor of honor courses and honor students, and the devil take the hindmost.

Professor Samuel C. Prescott, '94, President-elect of the Alumni Association, in a short address reminded Alumni that they are as much a part of the Institute as are the Corporation, the Faculty and the students. Earlier in the afternoon, Chairman Desmond had appointed as a Nominating Committee to choose a place for the next Convention: Frank H. Smythe, '89, of Cleveland; Lester D. Gardner, '98, of New York; Clayton W. Pike, '89, of Philadelphia; Merton L. Emerson, '04, of Boston; Edward C. Wells, '92, of Dayton. He now gave George W. Ousler, '16, of Pittsburgh and George B. Jones, '05, of Chicago five minutes each to extol the advantages of their respective home cities.

Followed then reports from the chairmen of three standing committees: Lester D. Gardner, '98, of the Committee on

Service to the Institute; Duncan R. Linsley, '22, of the Committee on Publicity; and William B. D. Motter, Jr., '05, of the Committee on Regional Scholarships. Mr. Motter outlined the regional scholarship plan, reiterated Mr. Swope's plea for students with personality and character, and told of the immense amount of publicity that comes to the Institute when scholarship plans are placed before the faculties of the high and preparatory schools.

Former Dean Alfred E. Burton, now in charge of the Dormitory Campaign, was escorted to the platform by Mr. Litchfield

as the Convention stood and cheered with the spontaneity that "Al" always evokes. (By now The Two Reporters were growing hoarse.) Dean Burton in dulcet tones reported that work on a double unit to either side of the present Class of 1893 Dormitory would be started this summer and that the remainder of the quadrangle would be started within a year.

Gangway

The Reportorial Taxicab, after a fierce competition with all the variegated vehicles New York can muster on her streets, including a locomotive



"LEAVENING"
The Convention was suffused with his spirit

— Robert H. (Bobby)
Richards, '68

and two carloads of pigs, all squealing, arrived at the pier slightly in advance of the steaming-out time. With them they had all the equipage and apparatus that two Scientific Reporters should have for discovering, detecting, and overhearing all that might be done and said on an evening boat trip of the Technology Clubs Associated.

Not to be out-done by the Radio Corporation of America, the Fox Case Corporation and the Western Electric Company in providing features for the Convention, the Hudson River Day Line, at the rental cost of a much older and smaller boat, provided the next largest boat, the S. S. Peter Stuyvesant, for the Friday evening boat trip up the Hudson and out into the Harbor, and thar she stood at the pier, smelling of fresh paint and with flags flying.

Steaming-out time, of course, was soon far past with folks still arriving. Duncan R. Linsley, '22, in charge of the expedition, was not lacking in punctuality because shortly after 6:15 he raised his fore finger and supper was

announced, the line forming on the right. Such a supper, reminiscent of the box luncheon served on Mr. Zizziter's island during the 1925 Reunion, required a juggler's

dexterity and ambidexterity to tote two boxes, two plates, two desserts, two collapsible cups of coffee. Blessed were the single in that encounter. Suppers were eaten on the decks, bites of sandwich and salad being interspersed with customary comments on the skyline, on the S. S. Leviathan at dock three berths to the north, on the ideal weather. The last 434th (by official count) person came aboard and the Peter Stuyvesant pointed her nose up the river toward Tarrytown. The first half hour

consisted mostly of rubbernecking at

the Manhattan skyline, but this was discouraged by the time Yonkers was reached. Anyway, the orchestra was tuning up, the dance floor on the second deck was cleared for action, and the bridge tables in the salon beckoned invitingly. Those for whom neither bridge nor dancing had charms gathered in congenial knots in congenial places about the boat, and it was in these concentrated points that the flux and flow of Reunion spirit was most warmly evident. The Two Reporters, now all ears, moved from group to group and saw they many familiar faces, and heard they many engaging stories. Here in one corner gathered the Nominating Committee with Mr. Litchfield and Dennie for a discussion of future conventions and

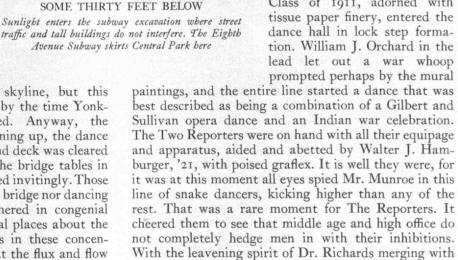
reunions. There in another corner sat George L. Gilmore, '90, reuning (as Mr. Litchfield might say) with Calvin W. Rice, '90, Mrs. Rice and others made prominent by their cardinal arm bands. On the outer deck lounged Mr. Munroe in earnest and gesticulating bull session with Richard H. Ranger, '11;



"MILLING ABOUT"
Viking Enebuske, '15, George S. Holderness,
'22, Isaac W. Litchfield, '85, (in straw bat), and others enjoy the boat trip

nearby sat President Stratton in the center of a group of whom only Professor Prescott and William H. Robinson,

'24, were discernible in the darkness. Colonel Frank L. Locke, '86, went in search of "Bobby" Richards, whom he found on the second deck fore, the center of an attentive mixed audience. By now the ship had turned and was headed down stream. It was time for a climax and the dramatic structure held together. Human sensoriums in range were suddenly regaled with a Denisonian rendering of "Take Me Back To Tech," and the Class of 1911, adorned with tissue paper finery, entered the dance hall in lock step formation. William J. Orchard in the lead let out a war whoop



When Mr. Munroe had finished and the Class of 1911 became tired, the entire delegation gathered around the piano and sang Technology songs under the guidance of Bill Orchard.

the buoyancy of Mr. Munroe, the Convention, as a

Reunion, reached its apogee.

The boat became quieter. Action was sporadic. The reportorial system could only get fleeting glimpses of what was happening . . . the Statue of Liberty . . . a



"HIGH KICKER"
James P. Munroe, '82, before be
bad affiliated with
the Class of 1911
(See this page)

remark in the darkness that the Convention had lacked but one thing — the reading of a new poem by Laureate Litchfield . . . the meticulous moustache of J. H. House, Jr., '98 . . . the impressive Barclay-Vesey Building designed by Ralph T. Walker, '11 . . . Charles W. Aiken, '91, of the Granite State, looking for all the world like Charles W. Aiken, '91 . . . the Woolworth Building designed by Cass Gilbert, '80 . . . Frank H. Riegel, '25, looking in vain for débutantes . . . Mr. Desmond making the rounds as host . . . two Diogenes in reportorial garb with flashlights, looking in vain for a devotee of Bacchus . . . Lester D. Gardner with sails full-blown and flags flying . . . William H. Robinson, '24, entertaining débutantes . . . a mellow moon and quiet figures on the top deck . . . the gaudy Paramount Building, strange and mystical in the distance . . . 42d Street Pier and a perfect docking at 11:06 P.M. . . . Luigie's. . . .

The Sidewalks of New York

Saturday morning, the morning after the night before. With it the realization that three tours of inspection required tripartite attention - tours arranged to demonstrate to attending guests the important fact that there is a subtle distinction between a Convention and a Reunion. At a Reunion, all is handshaking, bright lights, reminiscences; at a Convention, the Reunion influence is mellowed by stern business — and inspection tours. To the New York Stock Exchange went a group under the leadership of Enos W. Curtin, '17; to the construction work in progress on the Eighth Avenue branch of the 600 million dollar Municipal Subway system, a group under the direction of Robert J. Marlow, '17; to the Hell Gate generating station of the New York Edison Company and the De La Vergne Machine Company a group with George A. Orrok, '89, in charge.

The Big Show

The time approached for the start of the Big Show in the Grand Ballroom of the Waldorf. The Two Scientific Reporters were there long ahead of the starting time just as they always were when Barnum and Bailey's visited their home town. Forthwith they prematurely crawled unseen under the figurative flaps of the ballroom to see the sights before the crowd was allowed to enter. They were rewarded for their trouble by seeing a short rehearsal of the talking movie actors, the only ones of their kind in captivity, and by witnessing the hitherto unpresented spectacle of the marvelous and wonder-working prestidigitatorial machines of Richard H. Ranger, '11, that filched messages and pictures out of the air, and by literally blowing, made them appear on paper for Volume I, No. 1, of the Technology Radio News.

They also slipped furtively up to the head table where the seats of the mighty were, and noted these place cards: Merton L. Emerson, '04; Henry D. Hibbard, '77; George W. Kittredge, '77; Thomas Hibbard, '75; Samuel C. Prescott, '94; W. D. B. Motter, Jr., '05; Lester D. Gardner, '98; Elisha Lee, '92; Alfred E. Burton; Courtland Smith; Mrs. John E. Otterson;

David Sarnoff; Samuel W. Stratton; Thomas C. Desmond, '09; John E. Otterson, '09; Richard H. Ranger, '11; Whitford Drake, '11; James P. Munroe, '82; Gretchen A. Palmer, '18; Robert H. Richards, '68; Charles T. Main, '76; John C. Chase, '74; Charles W. Goodale, '75; John R. Freeman, '76; Edward F. Miller, '86; General Alston Hamilton; Gerard Swope, '95; Francis H. Williams, '73; Isaac W. Litchfield, '85; Orville B. Denison, '11. By this time the crowd outside was growing restless and the head waiter was fingering the trigger of his starting gun.

It was off. Six hundred and seventy-seven men and women swept in with eager faces and the waiters were already bringing on the *Clovisses au Citron*. The calliope was blaring forth "Ain't She Sweet" although it was soon drowned out by a "We are happy . . ." from the Class of 1924, echoed shortly by 1926 and 1885, under the auspices of a voice clearly distinguishable as

Litchfieldian.

After that the menu progressed on its Gallic way, interrupted only by Dennie's supreme directorial effort to synchronize the hesitant singing of the banqueteers with the orchestra planted in the upper balcony playing five measures behind, by the milling about of everybody between tables, and by the latest despatches of the Technology Radio News. The columns of this unique journal were moving on in their own steady way, achieving scoop after scoop. A message from Sir Oliver Lodge in London, from the Technology Club of Hawaii, from Captain Eckersley of the British Broadcasting Company and greetings from Charles A. Lindbergh himself were some of the exclusive offerings of this first edition.

There was a rapping of the gavel. Mr. Desmond was on his feet and speaking thus: "It is my privilege tonight, as President of the Technology Clubs Associated, to welcome you all to an occasion which I think it is fair to call an Alumni Reunion Dinner of a most unusual character. The two scientific entertainment features which we shall present tonight are absolutely unique, namely, the M. I. T. Radio Newspaper and the Institute Talking Moving Pictures, which will bring the Institute itself down to our Reunion instead of our going back to the Institute. These features have never before been attempted by any alumni dinner of any institution nor indeed by any other dinner of any kind." Thus onward he spoke for a discreet three minutes, visualizing again the National Technology Center, and outlining the program of the evening.

He introduced Captain Ranger. With lucidity worthy of a professional expositor, Captain Ranger modestly popularized a technical explanation of the Technology

Radio News.

The next speaker was John E. Otterson, '09, Vice-President of the Electrical Research Products, Inc., subsidiary of the Western Electric Company. He paid gracious tribute to Courtland Smith, who had contributed so much to the development of Movietone Talking Moving Pictures to be shown in just a moment. He paid tribute to the Institute of Technology and the part it had to play in their development, and expressed the willingness with which his company and the Fox Case Corporation prepared their program for this dinner.

With a sketch of the method of taking and reproducing

talking moving pictures he was through.

The head table adjourned to the rear; the lights went out. A voice distinctly Denisonian boomed out of the silver screen, and a figure even more Denisonian appeared on that screen. Pointing a huge finger directly at the eyes of the audience (Mr. Denison is not a movie actor), he was introducing the Talking Moving Pictures. The scene changed and there was Doctor Stratton talking in the most natural voice imaginable, not one iota of its quality being lost in the reproduction. The synchronization was perfect. It was a thrill of a lifetime, and the Two Reporters will not forget it. Then followed the countenance of William (Willie) Jackson of the Institute's Information Office, seemingly in great pain; a short talk by Professor Prescott and another by Professor Charles L. Norton, '93. The steps of Walker Memorial were next shown with students clustered about making incoherent noises. Frederick E. Glantzberg, '27, of Tech Show did a lariat act to an obbligato of Will Rogerian jokes. The roar of a crowd of undergraduates gave a blood-thirsty atmosphere to a fierce battle with gloves between two students. Next was a dormitory water fight with screeches and howls and the plunking on the sidewalks of paper bags filled with water. A hurdle race, a talk by Coach Bill Haines and a picture of his crew in action, a glimpse of the triple-expansion (Corliss) engine in the Steam Laboratory running full blast clanking and puffing in a remarkably audible fashion, a group of singing and playing students in one of the dormitory doorways, several selections from the Glee Club — all of these were heard and seen. That completed the first part of the program. The second consisted of a speech of Mussolini's and many feet of film showing Italian bands and troops marching and manoeuvring.

The Movietone exhibition was followed by a short business session. Frank A. Smythe, '89, Chairman of the Nominating Committee, announced its slate for the officers of the Technology Clubs Associated: Elisha Lee, '92, President; Isaac W. Litchfield, '85, Merton Emerson, '04, George B. Jones, '05, Maurice R. Schraff, '09, Lester D. Gardner, '98, Vice-Presidents. The Committee recommended that a Reunion be held in 1928 at Atlantic City and that the next Convention be held in Pittsburgh in 1929. Charles W. Aiken, '91, moved acceptance and this motion was passed without opposition.

President Stratton was the next and last speaker on the program. He commended Mr. Desmond for his diligence, spoke of his admiration for the interest of Alumni and described briefly some of the activities at the Institute. In particular he announced that the last meeting of the Corporation authorized an endowment for

research in pure science.

With the exception of a dance afterward for the younger generation Mr. Desmond's Convention was over. And the net result? His plan for a National Technology Center had received unqualified support. The attendance at the Convention was fair enough, the spirit was vigorous and cordial, the program had gone off without a hitch and from Science's armory of wonders he had brought forth, for the edification of all, some of its newest and most impressive accomplishments. It was indeed a successful week-end for Mr. Desmond, at least everybody encountered by the now tired but still Scientific Reporters thought that it was.



AS IT WAS

A flash-powder photograph of the Waldorf Dinner in the best banquet-photograph style. Above the head table may be seen the Movietone screen, to the right of that the three machines "filching messages from the air" for the Technology Radio News

The

ARCHITECTURAL BULLETIN

- PUBLISHED FOR THE SOCIETY OF TECHNOLOGY ARCHITECTS JE-

HARRY J. CARLSON, '92 President C. Grant La Farge, '83 Vice-President John E. Burchard, 2D, '23 Secretary-Treasurer

Address all communications to the Secretary-Treasurer at 40 Central St., Boston, Mass.

The Annual Meeting

EARLY 120 guests, members of the Faculty, instructors, Alumni and students sat at table on the evening of May 31 for the annual dinner of the Society, a dinner that was in several respects one of the most eventful ever held. Space being what space is, the Secretary will allow engineering training to come to the fore and supply the salient items in the form of a neatly tabulated list.

Item 1: Past President, President-Elect, Vice-President, were all present. The announcement of the Society's newly elected officers (Arthur W. Rice, '91, President; H. Daland Chandler, '08, and Ralph H. Doane, '12, members of the Executive Committee) was greeted with great applause and with beams from the retiring President, Harry J. Carlson, '92.

Item 2: For once the Secretary had an important

announcement to make: the Bulletin will take on a new form in its next issue and will no longer be printed in alternate issues of The Review but will appear twice yearly, in January and in July, in sixteen to twenty pages of convenient filing size. These pages will largely be devoted to student work in design, free-hand drawing and modeling which will be treated principally through the medium of illustration. Secretarial literature will be closely restricted to essential matters concerning the larger policies of the Department.

Item 3: The Society had as guests those members of the Faculty and Instructing Staff from the Cambridge side who have been most closely connected with the fate of the graduating class. These gentlemen were Professors Henry G. Pearson; Harry W. Tyler, '84; Dean Peabody, Jr., '10; Ernest F. Langley; and

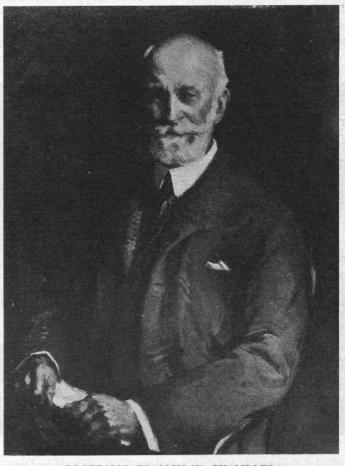
Messrs. Olin Ingraham and William F. Jenrick. *Item 4:* A splendid portrait, now the property of the Department, of the late Professor Chandler was unveiled and dedicated by Professor Emerson. It had been hoped that Mrs. Chandler would be able to be present but illness interfered. Professor Chandler's son, H. Daland Chandler, '08, replied to Professor Emerson, who was further glad to announce that the portrait fund had been over-subscribed by nearly \$2,500, a sum which was to be set aside and which, with future additions to its principal, would soon provide an income sufficient to offer a Chandler Scholarship.

Item 5: C. Grant LaFarge, '83, Vice-President of the Society and speaker of the evening, delivered an address on collaboration that deserves reprinting in other form. The Society is glad to present the complete text in this

issue of The Bulletin.

Item 6: Robert C. Dean, '26, of Collierville, Tenn., did considerable walking back and forth between his seat and rostrum and when the tumult and the shouting had died it was discovered that the aforesaid Mr. Dean, who bore modestly with a weight of medals, had won in the course of one brief year the F. W. Chandler Prizes No. 1 and No. 2, the H. Langford Warren Prize, the Department Medal for the student with the greatest number of medal values in the Fifth Year, and the Traveling Fellowship.

Item 7: Ira D. Beals, '27, Thomas Dreihs, Sp. '27, and Lucio E. Carlone, '28, also were prize winners on more than one count. Mr. Beals had won the Rotch, the summer sketching and the Fourth Year Department Medal. Mr. Dreihs had secured the Rotch and the Fontainebleau Summer Scholarship Prize. Mr.



PROFESSOR FRANCIS W. CHANDLER

A portrait painted for the Department of Architecture by Gertrude Fiske,
unveiled at dinner, May 31

Carlone had won

the other Fon-

tainebleau Prize

and subse-

quently gained the special

students schol-

arship for next

year with a pro-

jet which is il-

lustrated on this page. The

other winner of

the special stu-

dent scholarship

was Wilbur H. Adams, from the

office of Frank

R. Walker, '00,

and Harry E.

Weeks, '93, of

show that prizes

were not solely intra-mural it

developed that

in the recent

Rotch Traveling

Fellowship Com-

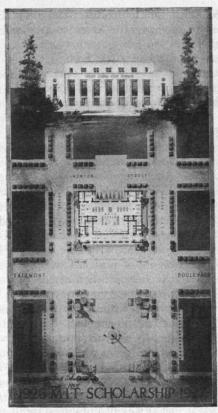
petition, Edward

D. Stone, Sp.

'27, had placed

Item 8: To

Cleveland.



POST OFFICE

Student Scholarship by Wilbur H. Adams, of Walker and Weekes, Cleveland, Obio. See

Prize winning design for 1926-27 Special the story on this page

first; Barnett Gruzen, '27, second; Miss Marjorie Pierce, '22, third; and Hugh Perrin, '23, fourth; to the utter dismay and hunger of some ten or twelve other architectural schools which were represented in the competition.

Item 9: Mr. LaFarge was prevailed upon to preside upon the departure of Mr. Rice and gave distinction to the ordinarily undistinguished process of adjournment.

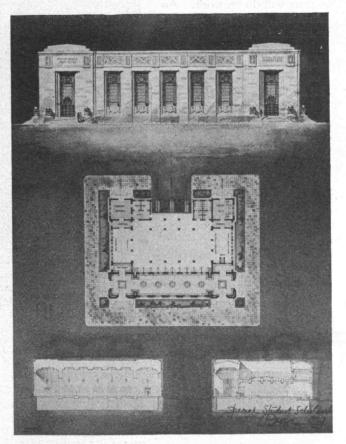
Gentlemen — Mr. La Farge

Certainly upon this occasion the usual formula of courtesy is not amiss. I am glad to be here. I am glad to speak to such a gathering as this, in the place where I began my study of a profession in which I am now a veteran - one bearing indeed not a few of the scars of conflict. But the place has changed since my day, and not only the place, for the intervening years have wrought even more profound changes in the range and quality of what is taught here, as in our other schools. I do not propose to review the subject of architectural education: I have in mind just now only the wish to emphasize and to explain the gratification I feel at being permitted to address you recent graduates - and you who still have courses to pursue in the school where I once stumbled and fumbled in a way that I should not be allowed to do, were I one of you in the Technology of today.

My one comment upon the giant strides that our educational process has made, is that time after time, as we older students are called upon to pass judgment upon the efforts of our younger brethren, candidates yet for their diplomas, we must admit, if we are honest, not merely that there is presented to us a degree of technical facility we had not command of at an equivalent age, but that is beyond not a few of us even now.

But don't you get arrogant over this. In the first place, you have still got a lot to learn, and next, you owe it all to the devotion, the enthusiasm, the untiring endeavor of those same old boys who were determined that their successors should be better off than they had been. That same spirit, that same determination, you are expected to carry into your own lives. It is the only way in which you can repay the love that has gone into the making of you. For you must know that we come out of such a school as this heavily in debt for what we have received; actually in debt, since it has cost more in money than we have paid - much more; morally in debt to long labors of love for our art, of which you have reaped the advantage. That debt we can repay in kind; and if we are fortunate in a worldly way we can repay the money debt, remembering always that if we do, it will not so much pay for the sacrifices made in our behalf, as enable greater, more extensive, more fruitful sacrifices to be made on behalf of those who shall come after us.

You are about to enter the practice of architecture. I want you to let me talk to you of how I hope you will regard architecture - what you think it is. I want to



POST OFFICE

Prize winning design for 1926-27 Special Student Scholarship by Lucio E. Carlone, '28, now in Fontainebleau on a fellowship recently won by him

speak of the inexorable demands that it will make upon you, demands that may be avoided by the artist only at the cost of imperiling his immortal artistic soul; demands that present themselves, I believe, to the architect as a more baffling perplexity than is the case with perhaps any other calling.

This field of architecture into which you are going,

offers to the capable, the stout-hearted, a prospect of dazzling splendor. There is not a city, great or small, in all of America's wide extent, that will not be in large measure rebuilt. All of our vast countryside will be transformed. We shall learn where to impose our works upon the surface of the land, where to stay our over-eager hand; where to leave natural beauty unadorned, where to restore it from defilement. Our people, who sometimes seem to possess the very maximum of crudity, of insensitiveness to the ugly, will one day revolt, their eyes opened: there is a leaven stirring in them now, submerged but potent, that in time will do its work. An education, ever more wisely understood and directed, will at last turn the tide, and the people will have taste, which means dissatisfaction with the bad and demand for the good. It is even conceivable that some of the forces that are today destructive will turn out to be the means of enlightenment. The horde that goes in a sort of hypnosis about the land in an interminable procession of motors, eyes glued to the road, unseeing of what stretches on either hand, undismaved by excruciating billboards that offer them the absurd promise of perpetual youth by the use of a soap that will bestow a school-girl's

dimples, they — well, if not they, their children — will wake from their dusty trance to find that Nature is beautiful and should not be spoiled. And when that day comes there will be heard a voice that must be listened to. Our clearest vision cannot foresee the beauty that will ultimately be created out of the overflowing wealth of this country. I have little doubt that one of the greatest flowerings of art in all the world's history is germinating today in America. Think of the part the architect must play in all this!

Those of you, though, who are to play that part, play it with all the strength that lies in you, must meditate

profoundly upon the nature of architecture, and having grasped its meaning, must have the heart to give expression to your belief.

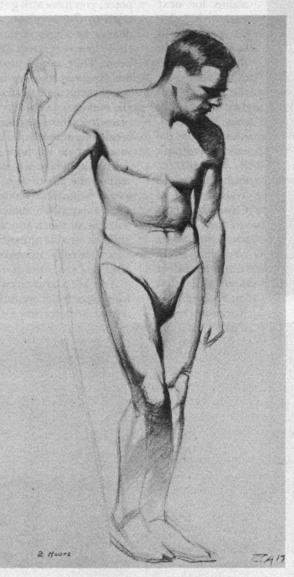
Let us now repeat to ourselves a few homely truths. Architecture is an art. It is based strictly upon utility. Its function is to make the useful beautiful. (Parenthetically, in passing, the proposition is not invalidated by

pure monuments. Call them the exception that proves the rule. Besides, we have to have some fun once in a while. And they are anything but easy.) There is a law, from which there is no appeal, that tells us we cannot achieve beauty unless we have fully complied with the requirements of utility. Conversely, the mere solution of practical needs alone may constitute an offense; witness many a product of the engineer. So architecture is an art, first, last and all the time. And as all who practice that art are bound by its laws, what I have to say applies to the architect of what we call a practical trend, as well as to the one who is aflame with the divine fire of artistic creation. If the artistarchitect is not enough of a builder to feel that his beauty can alone spring out of construction; if the builderarchitect is not imbued with the knowledge that the object of his building is to make beauty, they are a pair of lame ducks. They cannot supplement each other. Which brings us to the matter of collaboration.

To the definitions just stated should now be added another: Architecture is a resultant; the product of the meeting of many forces. For our present purpose we may pass by the economic and social forces, consider them

sufficiently indicated by what I said about utility. We are concerned just now with those that make for beauty.

The architect, we say, designs a building. How much of it, in literal truth, does he design? Surely it does not require a mighty effort of the human intelligence to realize that he is dependent upon the other arts of design. Even in the very modest dwelling this is true to some extent; as the scale and richness of the edifice increase, the dependence correspondingly increases, until it may assume overwhelming importance. He must look to the mural painter for the adornment of many surfaces; to the sculptor for not alone monumental composi-



LIFE STUDY

Two-kour life study in charcoal by Leon Nickolas Zaitzevsky,
'26, Leningrad, Russia, winner of this year's free-hand drawing prize

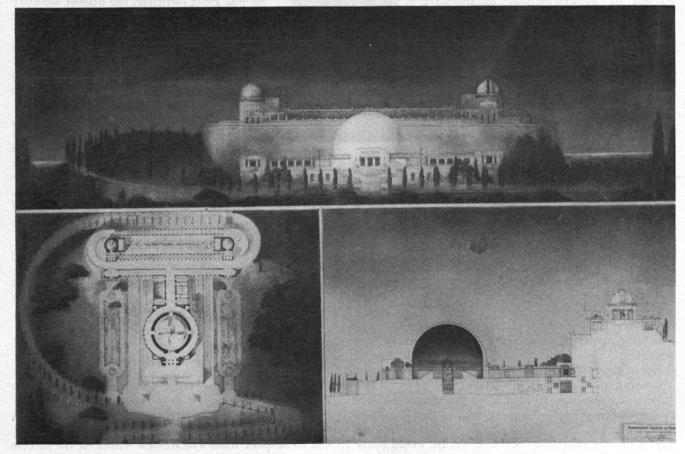
tions with human figures, but for nearly all, if not all, of the relief ornament. Those who make the endless accessories of buildings, the bronze, the wrought-iron, the lighting fixtures, the tapestry, the hangings, the hardware, the rugs, the furniture — what will he do without these? And if his building has grounds about it, the work of the landscape architect must be to him a matter of deep concern.

Here, then, roughly and hastily, are the agencies, vital to his artistic result, which it is the province of the architect to assemble and to work with — this is the great orchestra he is to lead. Note, please, that I say work with, for therein is the story of collaboration. That story has been told over and over again in the illustrious periods of our art. It is the story of Egypt, Assyria, Greece, Rome, Byzantium, the Romanesque, Gothic France, the high Renaissance. Alas, it is not the story of our own times. For causes needless to recite here, the world drifted away from it.

Obviously — at least it would seem to be obvious to any reasoning mind — better work will be done, nobler, more coherent, more significant architecture achieved, when all the arts of design involved strive together in common understanding, in mutual helpfulness, in happy fellowship. On the other hand, when there is not this accord, this really joyous union; when the architect feels that an attitude of self-assertion is necessary for the maintenance of his dignity, that he must be omniscient and impose his arbitrary will; that his fellow workers

are to work for him, not with him, he will inevitably cramp and stultify their genius, to the certain injury of his own conception.

This is a simple proposition easy enough to state. I hope you find it easy to understand. But if you do, and if you are convinced, be sure that to put it into practice in the work that lies ahead of you will require some exercise of determination. It all depends upon how greatly you care for the greatness of your art. You will need to continue the studies begun here, of the lessons to be learned from the masterpieces of past times; need to know that history is not dry bones but the record of living passions. You will need to know all you can of the way your fellow artists work, that you may be fit to benefit by what they have to give you, able to elicit from them the fullness of their powers. You must learn when, where and how to restrain your own facility, to dominate the temptation that will beset you to design every last detail so that to the painter you say, "Here are all your spaces fixed in size and shape, your frames and borders and dividing members settled": to the sculptor, "Put a group here, a relief there. No, that ornament is all designed; I can get a modeler-shop to do it." You will have to know how to find the right artists, possessed of architectural sense, and to realize that from them you can derive suggestions as to your own handling of your problem that will not only liberate their talents for its more perfect embellishment, but will equally enhance the value of your own design.



CLASS A-V PROJECT

I wish that all of you who can would go into the great hall of the Cunard Building in New York, and reflect that in exactly this way Mr. Morris brought it into being. I trust that the little paper he wrote describing the felicitous accord between himself and his co-workers will be published. Every architect, young or old, should read that inspiring document. If you will take the trouble to examine the proceedings of the last Convention of the American Institute of Architects when they are published, you will find a good many remarks of interest bearing upon this subject of collaboration.

Let me tell you a little anecdote, by way of illustration. It is personal, but this is a most personal talk. In my office we have been working on the designs for a large monumental building. We had our parti, had plans and some unfinished elevations. We had solved the very troublesome question of requirements of cubage. As we carried along the study of mass in our drawings, we studied that mass also with models. We had reached a point where exterior detail began to press for attention. The man in charge, a most competent, energetic

chap and a very demon for work, who won't let me go to sleep, tackled me about this. It was a matter of placing accents, sculptural accents, character or ornament, all indicated so far very sketchily. I asked a sculptor to come in at this stage; an American-Academy-in-Rome man, Paul Jennewein. These Fellows of the Academy,

these architects, painters, sculptors, landscape architects, have, while in Rome, learned by association, by collaborative study, each what the other fellows' processes are — in short, they have learned the meaning of architecture. Now, when I showed Mr. Jennewein what we had, and told him what.

I hoped for from him, saying at the same time that any comment would be welcome, he gave at first no attention to detail. He got a swift notion of the general problem and then he went at the model exactly as though it were a sculptural mass. He made criticism of that mass, so suggestive, so informed with comprehension of the structural elements, that presently

we were all engaged in most interesting discussion, out of which grew some important changes, to my delight. Then we went at detail.

There are some among my professional brethren who will look with pity upon me for this confession. They will call me a weakling; what! allow a sculptor to show an architect how to design his building! Well, it wasn't quite that, I maintain. But admit my weakness; I shall still be glad that I knew how to have it turned into strength.

For many a year we older men have talked about collaboration. Academically, it is a pretty topic. But we must be careful how far we go, lest the august majesty of the architect be infringed; beware of treading upon his prerogative. There was a phrase we used to be very fond of, to the effect that our architecture would never be great until we stopped sticking bits of sculpture about our buildings like ornaments upon a mantel-shelf. Very

good idea. But what we meant was that we architects must learn how to *make* the sculptor put the right thing in the right place. You see? We were always to be the boss. It wasn't altogether our fault; poor old dears, we were badly brought up, that's all.

Of course, there is the question of glory. Glory? Is there any lack of glory to the architect who by his tact, his skill, his passion for beauty, his modesty, has evoked superb results from the enthusiasm he has awakened amongst others, to the end that his creation shall stand the acid test of time? I do not see it.

A great French critic, Francisque Sarcey, said of collaboration that it is the co-habitation of minds. He pointed out how, in the lack of it, there was failure to fuse, that the component parts did not unite. Sarcey wrote of the drama, but his words apply exactly to architecture.

I spoke of the difficulties that beset the architect. I mean that any artist, to grow to his full height, needs, imperatively needs, seclusion. The lot of the artist is loneliness, his true life must be lived in solitude with his art. It is, in a way, the tragedy of the artist, but there is

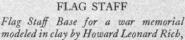
no escape from it—he must not even want to escape, he must accept his tragedy as a direct gift from Heaven. The architect is hard put to it to compass any sort of withdrawal of himself—of course, I mean that spiritual withdrawal in which the clamor of the busy world leaves him unscathed. Yet he is subject to the same need as

that of his brother artists. To meet that need and yet to do your full duty will require of you great fortitude, the utmost sincerity of purpose, unswerving devotion. These words may not mean much to you now, nor will you remember them. In the years to come you will have thought of them for

yourselves. You are going now to plunge into the current; may you be good swimmers.

As you grow into your maturity, there will grow alongside you an ever-increasing number of followers of those other arts of design that in their sum make up architecture. Year by year they will gain in their knowledge of your needs. The old day of

isolated knowledge is about to pass; there is going to be a new view taken of training in the arts and crafts. Those who have had the vision have put their hands to the plow, and they will turn the long furrow to the end. You are born into the new day; we look to you to walk in its light and to do your part in leading the art of your country to its high destiny.



'30, one of three first mentions

Coda

And now comes the time to say adieu. The years in The Review have been pleasant—pleasant and profitable. In many ways The Review Editors have taught the Society how to walk, and the Society is grateful—grateful and a little unhappy over the change. But we hasten before the end to bespeak from The Review wishes for the success of our new venture and a continued interest in what appears to be at least a half-child.

Undergraduate Affairs

Shell Game

REW justified the confidence of a thousand hopeful supporters who lined the embankment, on May 7, and swarmed over the Longfellow Bridge when the powerful Technology varsity swept down the Basin course and crossed the finish line two and a half lengths ahead of Princeton just after sunset. It was the first regatta at which the M. I. T. A. A. played the sole host.

Nor was the varsity the sole Technology crew to win, for, in the first of the afternoon's three races, the 150-pounders won after a desperate struggle by a scant two feet. So close it was that none of the competing oarsmen, the coxswains, the crowd or even the referee knew who won until the official launch had nosed over to the shore and a conference had been held with the judges. They were unanimous. Old-timers of the sport recall no such hair-line finish nor any harder fought or more even struggle all down the Basin. Last year and the year before Technology's light crew defeated that of Princeton on Lake Carnegie. Hence the home victory was especially gratifying. Princeton was saved from a shutout by its powerful freshman eight which outclassed its rivals from start to finish and won by six or seven lengths.

Two weeks before, hopes of a victory over Princeton had been raised by the showing on the Severn when the Technology varsity trailed the Navy by three lengths. This annual Annapolis meeting, which opens the eastern rowing season, is practically a foregone Roman holiday for the midshipmen, not only because the Navy's crews have the benefit of open water much earlier than the ice

leaves the Charles, but due to the distinctly above-the-average physical qualities of the student body from whom their entrants are selected. The journey this year to Annapolis, therefore, resolved itself, as usual, into a period of good fellowship, practice for Coach Haines' men, and an attempt to cut down the open water between the two boats at the finish. Three lengths difference was considered to be an excellent showing.

On May 21, the Harvard varsity defeated Technology by a full three lengths and Pennsylvania by nearly a length more and covered the mile and three-quarters in 9 min., 12% sec., which is practically equal to the somewhat nebulous record for the Charles River Basin course. In the second varsity and freshmen races the order of finish was the same, Penn being saved from utter ruin in the triangular regatta by her 150-pound crew "which caught a fighting Tech eight close to the Henley finish to win by no more than a foredeck with the Harvard lightweights, who had been retarded by some flagrant watermanship, nearly three lengths astern."

Coincident with the races, of May 21, on the Basin came consolation to the Princeton's varsity, for that day on Lake Carnegie it defeated Yale and Cornell. It was Yale's first varsity loss in five years. And, celebrating renewed confidence, one week afterward, Princeton won the Childs Cup race at Philadelphia.

Faster, Farther

Track is an individualistic sport as proved by the accomplishments of Steinbrenner and Company running under the colors of the M. I. T. A. A. this spring. As a



THE RETURN

Photo by J. Frank Copeland

The 150-pound light varsity returning upstream after losing by a scant foredeck to the University of Pennsylvania and defeating Harvard University by three lengths

team their showings were not exceptional but, as units of a team, they broke, equalled or bent one or more records whenever they went into action. On this account it was a quite notable season even though *The Tech's* pungent headlines were "Engineer Track Team Buried in Avalanche of Points by Crimson" and "Cornell Runners Trounce Engineer Track Team."

The team scores of the three dual meets were: Harvard 162½, M. I. T. 60½, April 23 at Harvard Stadium; Cornell 91, M. I. T. 44, May 7, at Ithaca; M. I. T. 77½, Holy Cross 59½, May 14 at Tech Field. Bowdoin played host to the New Englands on May 20 and 21, held outside Massachusetts for the first time, and the University of Maine won them by a score of 24½. Bowdoin was second with 21¾, Technology third with 21 and Boston College fourth with 20. Orono felt like St. Louis winning the World's Series for never before had Maine gained a New England title since becoming a

member of the Association in 1899.

So much for the team results; individual record crashing began before the extra-mural season opened at the Spring Interclass Meet, on April 18, when J. A. Mc-Carthy, '28, tossed the javelin 173 ft. 6 in., 7 inches farther than the existing Technology record made in 1924 by T. E. Garrard, '27. Captain H. G. Steinbrenner, '27, got down to business at the Harvard dual meet the following Saturday and broke his own Technology record in the 120-yard high hurdles, reducing it to 15% sec. This he allowed to stand for seven days only, as at the Penn Relay Games in Philadelphia he clipped off another fifth of a second-in winning the international high

hurdle event.

Steinbrenner also won the low hurdle race in the Harvard meet; C. B. Meagher, '28, did 51 flat in the quarter; and J. S. Wiebe, '28, took second in the running broad jump by leaping a half inch farther than had C. S. Reed, '16, when establishing the

Technology record at 22 ft. 7½ in., eleven years ago.

At Ithaca, on May 7, the versatile Mr. Wiebe again got second in the broad jump but also undertook dashing as a sideline and won the 100, equaling the Technology record of 101/5s. Thus his name is added to those of R. S. Franklin, '02, who established the record in 1903; and of C. W. Loomis, '16; T. W. Bossert, '20; W. Rollins, '18; and T. P. Spitz, '21, who equalled Franklin's performance in 1915, 1918, 1919 and 1921 respectively. Steinbrenner only took second in the high hurdles, but won the low hurdles and the furlong dash, scoring 13 in all points. P. H. Kirwin, '28, won the mile in 4 m. 323/5 sec., leading the field by about 40 yards; K. A. Smith, '27, and M. H. Fay, '28, came in first and second in the half mile. Smith's time was I min. 58 ¹/₁₀ sec., a new meet record.

May 14, at the Holy Cross meet, Wiebe retransferred his affections, winning the broad jump and taking second in the 100. K. A. Smith and Fay took their customary

first and second places in the half; Kirwin, followed by two comrades, took all three scoring places in the mile; R. A. Jack, '28, won the pole vault; M. R. Gray, '29, won the discus throw with F. E. Glantzberg, '27, second; B. B. Brockelman, '29, won the high jump; Glantzberg won the hammer throw. Captain Steinbrenner won both hurdles and the 220-yard dash, thereby scoring 15 points

Both Wiebe and Steinbrenner battered their records in the New Englands. The former took second to R. Talbot of Rhode Island State but in doing this jumped 22 ft. 81/4 in., half an inch farther than he had accomplished at the Harvard meet. Steinbrenner successfully defended his 1926 New England championship low hurdle title and also captured that for 1927 in the high hurdles. His time in the longer event was 24 sec., twofifths of a second better than the record made by W. A. Savage of Bowdoin eleven years ago. In the high hurdles he equalled the 151/5 sec. record made by A. D. Shaw of Dartmouth in 1918. Other point scorers in the New Englands were: Smith and Fay second and fourth respectively in the 880 yard run; Wiebe second in the running broad jump; Glantzberg fourth in the 16 pound hammer throw; Jack second in the pole vault.

Except for one still faster low hurdle performance at the I. C. A. A. A. A. by Captain Steinbrenner the season closed with the New Englands. On May 28 he broke into his final examination period and journeyed again to Philadelphia, and annexed the national intercollegiate title in the low hurdles in 23⁹/₁₀ sec., the best time he had made during the season. Thus in a blaze of glory he ended the season, and it should be said, parenthetically, that his breaking into the examination period did not hold up his degree. He achieved the distinction of receiving the first Bachelor's Degree in Aëronautical Engineering.

The Pork-Barrel

The undergraduate body-politic corporately came to life on May 4 when the annual

election of class officers was held. It was an unusual election, for old timers are unanimous in declaring that a number of blue moons have come and gone since the local political pot has boiled so vigorously.

The major office, that of Senior Class President, which carries with it automatically the chairmanship of the Institute Committee, went to Ralph T. Jope of Portland, Maine, and, uniquely enough, with a term

address at the Technology dormitories. James A. Lyles, for the past year President of the Senior Class, was elected permanent President, and as his aide-decamp, John D. Crawford was elected permanent Secretary-Treasurer.

The remaining officers of the Class of 1928 are: Vice-President, Cyril B. Meagher; Secretary,



Courtesy Boston Herald MARKSMAN

Robert M. Harbeck, '28, Eastern Intercollegiate Individual Rifle champion, and highest scorer in the New England Intercollegiate shoulder-to-shoulder match, proved himself fitted to captain the Rifle Team

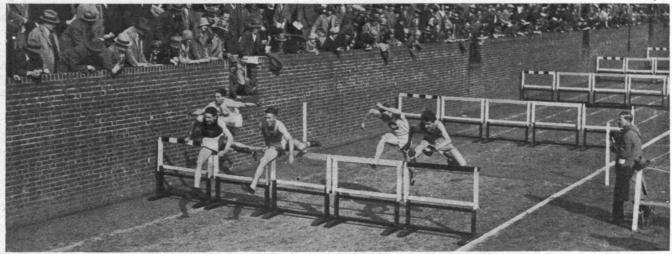


Photo by Times Wide World

CHAMPION

Henry G. Steinbrenner, '27, for the year just closed captain of the track team, winning the 120-yard high hurdles at the Thirty-Third Annual Pennsylvania Relays, May 29. Later he won the low hurdle national championship at the I. C. A. A. A. M. meet

Norman C. Estes; Treasurer, Arthur R. Keith; Institute Committee representatives, James Donovan and Elisha Gray; Executive Committee, Robert Cook and Albert S. Dempewolff.

Officers of the Class of 1929 are: President, Carlton B. Allen; Vice-President, Gerald F. Palmer; Secretary, Harold M. Baker; Treasurer, Earl W. Glen; Institute Committee representatives, Lewis R. Aldrich and Ralph B. Atkinson; Executive Committee, Mahlon R. Boyer and Donald R. Funk.

Officers of the Class of 1930 are: President, David T. Houston; Vice-President, Henrik M. C. Luykx; Secretary, Joseph W. Devorss, Jr.; Treasurer, Charles C. Ladd; Institute Committee representatives, John F. Bennett and Howard S. Gardner, Jr.; Executive Committee, Philetus H. Holt and Robert W. Reynolds.

Senior Week

Seniors of recent years would have noted no radical change in the Senior Week program of the Class of 1927. Dwight C. Arnold, Chairman of the Senior Week Committee, was in general charge of events. The stag picnic, as it were, occurred without fatal accident on June 2. The next evening brought "Tech Night at the Pops," with Professor Samuel C. Prescott, '94, President-Elect of the Alumni Association, doing the yearly act of formally welcoming the Class into the alumni fold and presenting to them the symbolic class banner.

Saturday evening saw the Class a-banqueting at the University Club with Professor Robert E. Rogers present to sigh Well-a-day, to proffer matrimonial advice, to orate, to entertain. At Trinity Church the next afternoon Bishop Charles R. Slattery preached the Baccalaureate Sermon. Professor Harry W. Tyler, '84, delivered the Class Day Address with dry wit all compact and in the language of his profession. President James A. Lyles presented the Class Gift of endowment insurance to the Institute, to have it formally accepted by President Samuel W. Stratton. And for fitting end to exciting week, the Senior Prom was held the evening of Commencement Day.

Freshman Rules

The following regulations were adopted by the new Institute Committee at a meeting held on May 26. They are herewith submitted without comment or garnishment:

1. All freshmen should wear regulation ties, four-inhand, with cardinal and gray stripes. These should be worn when on the Institute grounds from the day classes begin until the beginning of Junior Week. These ties are to be sold on registration day by the Freshman Rules Committee, and after by the Coop.

2. Freshmen are expected to speak to all members of the faculty and to tip their hats to the President of the Institute and the Dean.

3. Freshmen are expected to say "Hello" to all students they meet on the Institute grounds.

4. Freshmen should not loiter around the Main Lobby, or sit on the benches in the Lobby. If the freshmen win Field Day, this restriction shall be abandoned.

5. Administration of the above rules shall be delegated to a Freshman Rules Committee which shall consist of the Vice-President of the Institute Committee as ex-officio chairman; two juniors, one of whom shall be the President of the junior Class; four sophomores one of whom shall be the President of the sophomore Class; two freshman section leaders. The junior and three sophomores shall be appointed by the Vice-President of the Institute Committee, the Presidents of the sophomore and junior classes subject to the ratification of the Institute Committee.

6. When an upper-classman or a freshman sees another freshman violate the above rules, he shall immediately inform the Freshman Rules Committee by dropping a card or a slip of paper in an Institute mail box, stating the rule violated, and the date of violation. When four violations have been reported against one freshman, he shall be sent a summons to appear before the Committee.

7. Enforcement of the rules is at the discretion of the Freshman Rules Committee.

News from the Alumni Clubs 20

Technology Club of Philadelphia

N May 24, the Club held a meeting at the Engineers Club for the purpose of holding its annual election. The new officers assumed their duties at the beginning of the fiscal year 1927-28, which is at the annual picnic held either on June 18 or 25, on the grounds of St. Luke's School, Wayne, Penna. Also at the aforementioned meeting a plan was submitted for a drive to collect funds with which to erect a Pennsylvania unit in the new dormitories and an expression on the part of our Club toward the National Technology

A little space will be devoted to this year's events. The year began with an annual picnic in the latter part of June, 1926. During the hot summer months and early fall the luncheons held weekly at Wanamaker's Tea Room were very well attended. The first evening meeting was held on October 3. A speaker from the General Electric Lamp Works at Harrison, N. J., was the attraction. The second meeting was held at the Penn Athletic Club, December 1. Captain George C. Westervaelt, '08, gave us a talk on "Modern Aviation." Captain Westervaelt's talk was followed by three acts of vaudeville. A luncheon was given during Christmas week in honor of Professors Harry W. Tyler, '84, and Samuel C. Prescott, '94, who were attending a convention in the city at the time. Elisha Lee, '92, was present at this occasion. This meeting was attended by many other celebrities and has the distinction of having the largest attendance. Former Dean Alfred E. Burton was entertained one week later and enlightened us on the need of new dormitories.

In order to allow our members to recuperate from the usual hectic Christmas and New Year activities in Philadelphia, no further meetings were held until March 2, 1927. On this occasion there was staged a card party with plenty of prizes. This affair was well attended by the younger men, especially those in the Class of '26, which had a representation of about fifteen. Auction bridge was indulged in by all and much skillful playing was in evidence. No doubt some of the so-called authorities of this game could have learned a few new tricks had they but been present. F. Gurney Fine, '26, carried off first prize and close upon his heels came Major Clayton W. Pike, '89. Other men who "knew their cards" were M. H. Taylor, '20; Bob Weeks, '13; Bud Cofren, '20; Henry Hills, '20; Arch Kinghorn, '20; Carl Thumin, '21; and Chenery Salmon, '26.

On April 21 and 22 we were honored with a visit from O. B. D. himself. He called on many of the Alumni previous to the meeting of April 22, which was held in his honor. At this meeting we were also

fortunate in having with us T. C. Desmond, '09.

The gentleman who is responsible for the splendid activities of the past year is our President, Jerome G. Harrison, 'o6. This is his second year as President and the Club has benefited much from his efforts. Others who have been very active in Club affairs are Edward Schoeppe, '15; Arthur C. Craig, '23; A. H. Kinghorn, '20; J. W. Aylsworth, '03; and R. W. Weeks, '13.

We are fortunate in having in this vicinity a gentleman who is as

much interested in the affairs of the Institute as any one could be. I refer to Colonel David A. Lyle, '84, and a graduate of the U. S. Military Academy. Colonel Lyle supports everything from Technology, subscribing to all the undergraduate publications and attending all the alumni activities that he is able. He was present at the luncheon in honor of Professors Tyler and Prescott and former Dean Burton. All who have attended the annual picnic at Wayne know Colonel Lyle as he has made it his duty for many years past to be present. Any one who has been fortunate enough to visit the gentleman in his home at St. Davids, Penna., will always remember it as a delightful occasion and recall the vivid picture Colonel Lyle can present of

In closing please allow me to call to the attention of every one who may happen to be in Philadelphia on Thursdays, the weekly luncheons

in Wanamaker's Tea Room.

ARTHUR GROSSCUP, '20, Secretary, S. E. cor. 5th and Race Streets, Philadelphia, Penna.

M. I. T. Alumni Association of Cleveland

Since our annual meeting in February we have held a meeting of the Executive Committee at the Mid-Day Club on April 5. At this meeting the following chairmen of committees were appointed: A. M. Eicher, '12, of the Entertainment Committee; Howard W. Green, '16, of the Publicity Committee; William Steinwedell, '25, of the Scholarship and Schools Committee. F. R. Walker, '00, our President, was then made Chairman of the Ohio Dormitory Fund Committee and appointed the following men to assist him: Stanley Motch, '99; Morse W. Rew, '09; Robert B. Wallace, '98; Frank A. Smythe, '89; Charles Brush, Sr.; Franklin B. Richards, '84; and F. E. Cady, '01. Mr. Wallace is to take charge of this committee when Mr. Walker is out of

At the Executive Committee meeting, we divided the duties of the ten committees of last year among the three committees as given above. The Publicity Committee will be responsible for newspaper publicity and the organizing of drives for campaign funds. The Entertainment Committee will be responsible for hospitality to new Technology men coming to Cleveland, music at our meetings, employment for Technology men in Cleveland, and any athletic events that may be held. The Scholarship and Schools Committee will be responsible for keeping in touch with Cleveland's boys now at the Institute, and the detail of interesting Cleveland high school and preparatory students in going to Technology.

We are pleased to give the following personals: W. R. McKenny, '19, is assistant sales manager of the Forbes Varnish Company in Cleveland; O. N. Stewart, '22, is now with the Woolworth Company of Cleveland; Heraclio Alfaro '25, has opened a consulting engineering

office on problems of airplane design.

If there are new Technology men coming to Cleveland, we hope they will get in touch with the writer, so that their names may be put on our mailing list. Also, if there are any men going through Cleveland, if they will call the writer at Superior 2400, he will be glad to advise them of any luncheon meetings that are being held that week.

A. ILSLEY BRADLEY, '21, Secretary, 1010 Rockwell Avenue, Cleveland, Ohio.

The Technology Club of Central Obio

The activities of the Technology group of Central Ohio have been limited this year to a single dinner meeting, May 2, on the occasion of the visit of former Dean Burton. We listened with interest to his story of the present activities and future trend of events at Technology. The particular emphasis placed by the former Dean on the need of more dormitories was considered by the group and a resolution was passed heartily endorsing the plan. Dr. Burton broached the possibility of an Ohio entry, to be made possible partly by the 600 former Technology men now resident in this state. The group indicated it would do all it could to cooperate with the larger and more active Technology Clubs of Cleveland, Cincinnati and Dayton.

The present officers were unanimously reëlected for the year

EDWIN S. BURDELL, '20, Secretary, 20 South Third Street, Columbus, Ohio.

Technology Club of Fall River

Late in November, 1926, a joint meeting of the officers from the Providence, New Bedford, and Fall River Clubs was held at the Quequechan Club to discuss the possibility of holding a joint meeting of these Clubs. The idea of holding such a joint meeting met with the approval of all present and January 13 was set as a tentative date for this meeting, which was to be held at the Quequechan Club in Fall River. Rudolph F. Haffenreffer, '95, President of the local Club, did his best to persuade Secretary Hoover to agree to address this gathering, but was unsuccessful in his efforts. Several other prominent men were interviewed by President Haffenreffer and Mr. Warner, but

previous engagements prevented their speaking on this date, although Paul Heinen of *Shenandoah* fame would have come for a consideration. Since a satisfactory speaker could not be obtained, the joint meeting was postponed indefinitely.

The Executive Committee met at the Quequechan Club Friday noon, May 20, to discuss plans for our annual outing. President Haffenreffer has once again offered the use of his summer estate at Mt.

Hope for this great event of the year.

ALDEN D. NUTE, '17, Secretary, 461 Highland Avenue, Fall River, Mass.

Washington Society of the M. I. T.

The speaker luncheon for April was held at the University Club on Tuesday, April 26, with Orville B. Denison, '11, scheduled to tell us about matters of interest to the local Alumni. We had the unexpected pleasure of also having President Stratton with us. In response to the request of our local Club President, Walter C. Dean, '00, that Dr. Stratton give us an official report from Technology, he responded, insisting, however, that the report was unofficial. The report was most interesting and emphasized the rapid development of engineering and the necessity for more research in pure science to furnish data for engineering application. The Institute's future, he said, depends to a large extent on how well this condition is realized and how well the work is laid out to produce men trained for leadership.

Denison told us about the new dormitory plans and that full opportunity still existed to contribute to this most worthy cause. He outlined the program for the Technology Clubs Associated Reunion in New York, June 10 and 11, and for the proposed new building in New

York for a National Technology Center.

The final speaker luncheon of the season was held at the University Club, May 20, with F. H. Newell, '85 as the speaker. His subject was "Our Neighbors, the Mexicans." Dr. Newell has recently visited our neighboring republic. He gave an interesting account of our relations with it and explained the different viewpoints of its people and ours. His talk then turned to the Mississippi River problem of which he is also eminently qualified to speak. He discussed briefly the fundamental problems involved, referred to the proposal to build new, stronger, higher and impregnable levees that would withstand the uncontrollable father of waters, and concluded with the remark that "when an irresistible force meets an immovable body the only thing that can be done is to call a conference."

The gatherings of the Alumni during the past year have included a banquet and the monthly speaker luncheons. Among our speakers have been the following: Dr. Samuel W. Stratton; former Dean Alfred E. Burton; Proctor L. Dougherty, '97, Commissioner of the District Oclumbia; Edward P. Warner, '17, Assistant Secretary of the Navy; Orville B. Denison, '11; W. E. R. Covell, '23, Assistant Engineer Commissioner of the District of Columbia; and Lester D. Gardner, '98, Editor of Aviation. These meetings have been fairly well attended, but no doubt many procrastinators could have and should have come out. The talks in general have been short and to the point and all have

been well worth the time and effort to come out.

Remember that a table is reserved for Technology Alumni at the University Club every Friday at 12:30. The third Friday in each month is our regular speaker luncheon.

A. E. Hanson, '14, Secretary, Government Printing Office, Washington, D. C.

Detroit Technology Association

Our last regular meeting prior to the summer holidays was held on Monday, May 2, at the local University Club. A very interesting talk was given by Tredick K. Hine, '16, on the construction and details of the new forty-seven story Penobscot Building, foundations for which are now being put in. Upon completion, this will be Detroit's tallest building, and is to be up-to-date and modern in every detail. Mr. Hine is connected with the firm of Smith, Hinchman and Grylls, architects and engineers of some of the best construction work in this section of the country.

Although no definite summer program has been lined up as yet, there will doubtless be opportunities for discovering the champion golfer in our organization. Quite a few of the travelers will be heading for New York on June 9 and the tourists will leave a day or so before that. We trust that all visitors will communicate with the Club when they happen to be in Detroit this summer.

EVERETT F. DOTEN, '19, Secretary, 1217 Book Building, Detroit, Mich.

Montana Society of the M. I. T.

Since our last report in these columns, members of our Society have enjoyed two Technology dinners, one on April 11, and another on May 9. Both were well attended by Butte members. The dinner on April 11 was held at the New Finlen Hotel, Butte, and the following were present: George W. Craven, '98; Jesse L. Maury, '25; W. A. Kemper, '04; L. A. Stadler, '01; F. C. Jaccard, '07; Carl J. Trauerman, '07, and Samuel Barker, Jr., guest. Charles W. Goodale, '75, chairman and patron saint of the Montana Society, who now is in Boston, sent a check to make up the deficit accumulated by the treasury. For this he was given a unanimous vote of thanks.

At the dinner in the main dining room of the New Finlen Hotel, Butte, May 9, the aforementioned were present with the exception of Samuel Barker, Jr., and the addition of W. L. Creden, '90; Walter R. C. Russert, '18; and George H. Holmes, Jr., '24. The forthcoming meeting of the sixty-three Technology Clubs Associated was fully discussed by all present and the Secretary read the latest communications on the subject from headquarters in New York and Boston. On account of the distance it is doubtful whether any of the Montana members will attend the meeting, although it is possible that the undersigned and one of the Great Falls members will be fortunate enough to be there and take in the fun and good fellowship. Members were informed of the kindly action of the parents of Richard Homberg, '23, in donating funds for the building of an infirmary at the Institute. The donors were highly lauded.

W. L. Creden was to have made a speech with the coming of the dessert. However, when the lemon meringue pie was dished out it was noted that the comely waitress singled him out by awarding him a super portion of the delicious pastry, thus converting his efforts to

mastication rather than oratory.

It is planned to hold the next dinner on the night of June 11 and to "tune in" on the doings at the Waldorf. It is hoped that the condition of the air will be such that we will hear a little more radio than phantom.

Before signing off for the summer and while the weather is still cool, the writer is going to take advantage of the columns of The Review to write a red-hot editorial, as the editor of the Bingville Bugle used to say. The Montana Society of the M. I. T. has been in existence for over twelve years, during which time the undersigned has been Secretary for six years. At no time have any dues been levied, all expenses having been paid by voluntary contributions from members. At present there are approximately forty-three graduates and former students in this state and everything is being done to keep them informed through the newspapers and through personal correspondence of the doings of the local society and the Technology Clubs Associated. This is being done by the officers of the organization and its leading

members located at Butte, Great Falls and Missoula.

The only obligation which a member has is to be "good to himself" by attending dinners and meetings whenever he can, and, most of all, when he receives a communication from one of the officers to at least be courteous enough to answer it. Some members take the attitude that they would be conferring a favor upon the local officers if they attended a meeting or dinner and these members are the ones who are not even courteous enough to answer important correspondence sent them by the local officers. We feel that this is a mistake, as lack of courtesy is not learned at Technology and when a man has become affiliated with M. I. T. as a student, this affiliation is of such great import to him during his life's work, that, in our humble opinion, he should at least be courteous and loyal to the Institute and all its activities. Egotistical as some may feel about their own qualifications and momentum, we have no hesitancy in stating that a great part of the pleasures we today are enjoying are due to the training obtained at Technology, its prestige in the commercial world and our affiliations with Technology men. This question often has been discussed at meetings of loyal Technology men in Montana and the writer believes that it should be brought home to the "strayed" that alumni associations are organized for the benefit and enjoyment of all former students, that Technology is their Alma Mater as well as ours, and that the officers of the alumni associations are giving up their valuable time and efforts for the welfare of all former students in their district and not for their own aggrandizement. The fact that Technology men who today are holding the biggest and most responsible jobs and honors are all loyal to Technology and its activities tells the story better than we can tell it.

CARL J. TRAUERMAN, '07, Secretary, 25 East Broadway, Butte, Mont.

The M. I. T. Club of Western Pennsylvania

Election of officers was held Friday, May 6, at the Club's closing meeting of the year in the University Club.

Those elected were: George W. Ousler, '16, President; F. J. Chesterman, '05, Vice-President; C. B. Rogers, '14, Secretary; J. C. Whetzel, '17, Treasurer; Kenneth Seaver, '00, Sumner B. Ely, '92, and Alfred Kullman, '25, Executive Committee. Whetzel and Rogers are at present incumbent in the offices to which they have been chosen for another term. The nominating committee would not say whether they were put on the ballot again because they needed more practice or because no one else could be found to take the job. All of the candidates were running unopposed; this statement is thought necessary for the benefit of those who know some of them pretty well and might wonder how they did it.

The election of Mr. Ousler was not only a part of the victory of the utilities, for George is one of Duquesne Light Company's very best engineers, but it was also a case of George's getting something that has been coming to him for a long time. For uncounted years George was Secretary of the Club; he has probably punched more addressograph plates, sent out more mimeographed letters and confused more addresses than almost any other Technology graduate except Dennie. The title of Secretary in our organization is slightly misleading, complimentary to the suffering holder of the position but not a fit description of the same. Mailing clerk would be far more apt. Anyway, George did it for years and years and only relinquished the job a year ago to ascend to the Vice-Presidency, whence he has flown, like another Coolidge, straight to the chair of President.

Anent the election of Chesterman we are of the opinion that he probably would have carried his wards even in a contested election, because only six days after his success at the Club polls he scored an impressive triumph at the Chamber of Commerce by being elected a director, one of the thirteen chosen out of a field of twenty-six nominees. More than 2,000 votes were cast in this election, which is annually a spirited affair.

Dennie was with us for this last meeting of the year. He spent two days in Pittsburgh, this time making visits to several of the high schools and concluding his stay with a talk to the Club members and their guests at the University Club. The guests consisted of a number of the high school principals and pupils who were candidates for the Rogers Prize, as the Club has termed the regional scholarship for this district.

The examinations of the candidates for the prize were held the following day and the Scholarship Committee, J. O. Handy, '88, Chairman, were hosts at this dinner to the candidates. The nigger in the woodpile was the committee's desire to look over the field of candidates at close range, and no range was considered closer than that obtained on a boy at dinner. There is always a woodpile when this Club gives any one a free dinner.

Sumner B. Ely, '92, was toastmaster of the evening. In addition to being a good toastmaster and a well-liked professor at Carnegie Tech, Ely is somewhat of an amateur Thurston and on this occasion he confounded all the high school boys, most of the high school principals, and not a few of the Club members themselves by the dexterity of hand with which he produced real live rabbits from apparently uninhabited black derby hats.

The retiring President of the Club, R. W. Chandler, '12, presided at the dinner on May 6 and presented a résumé of the activities of the organization during the past year. The Club has had a very interesting program, including meetings at which the guests and principal speakers were: President S. W. Stratton, former Dean Alfred E. Burton and Luther K. Yoder, '95, the founder of our Club. The Intercollegiate Dinner sponsored by this Club was covered in detail in these columns in the May issue. Orville B. Denison, '11, and Dr. William M. Davidson, Superintendent of Schools of the City of Pittsburgh, were the speakers at the dinner on May 6. Dennie covered a lot of ground in his talk and gave not only some interesting statistics of the number of students but also of the financial growth of the Institute. He closed his talk with an exhibition of two reels of moving pictures showing the work done by students in the School of Chemical Engineering Practice. Dr. Davidson, a finished orator, told of the enormous capital invested in education in this country and the amount of money required to keep the schools and colleges in operation. He spoke of the prominence of technical schools and complimented the local Club on its interest and activity in presenting scholarships.

ARTHUR W. SKILLING, '21, Publicity Secretary, 507 Westinghouse Building, Pittsburgh, Penna.

Technology Club of Virginia

Luck was with us once more when we were fortunate enough in having Orville B. Denison, '11, stop over in Richmond on his trip home from the Alumni Secretaries' Convention in Chapel Hill, N. C.

The Virginia Alumni were notified and sixteen got together at a dinner in the Richmond Chamber of Commerce dining room. Several out-of-town Alumni wrote that they were sorry not to be able to attend, but sent their greetings to Dennie and requested that they be kept in touch with our activities. Those present were: J. Scott Parrish, '92; Orville B. Denison, '11; F. B. Robins, '24; A. T. Gwathmey, '26; B. E. Morriss, '26; A. W. Davenport, '23; C. H. Tedford, '25; W. A. Jones, '18; Miles Cary, '24; Arne H. Ronka, '23; Alfred Shaw, '22; Arthur R. Stuckey, '23; George W. Harding, '14; Merrill C. Lee, '17; Thomas H. Gresham, '21; and Donald N. Frazier, '11. Jones, Ronka and Stuckey drove all the way from Norfolk to attend this meeting. One of our guests was A. L. Meisel, '25, of the Virginia Military Institute.

Dennie spoke about Technology of today and its future plans for courses and building program. As usual, he enlivened his informal talk with songs and piano playing.

Donald N. Frazier, '11, Secretary, 1215 Mutual Building, Richmond, Va.

Indiana Association of the M. I. T.

Technology men in Indianapolis are having a weekly luncheon every Friday noon at the Indianapolis Chamber of Commerce in conjunction with the regular weekly open forum discussion on civic affairs, sponsored by the Chamber. These luncheons were inaugurated by President Howard S. Morse, '03. Those present at the first of these gatherings were: W. J. Daniels, '13, Chairman of the Program Committee; W. B. Parker, '88, Chairman of the Committee on Acquaintanceship; N. D. Doane, '15, Vice-President; J. W. Stickney, '96; Mr. Morse, '03; and the Secretary. We believe this custom will assist in bringing local Alumni closer together. Technology men from other sections who may be in Indianapolis on Fridays are cordially invited to join us at these luncheons.

An exhibition of eighty unusual photographic prints, the work of W. W. Bonns, '99, was held last month in the gallery of the public library. The press comment was as follows: "Mr. Bonns has chosen portraits, landscape, and architectural subjects for the exhibit, and has obtained many beautiful and striking effects. The landscapes are for the most part reproductions of scenes in and near Indianapolis, with a few taken in the southern part of the state; the portrait group includes many prominent Indianapolis persons, and the pictures in the architectural group are nearly all of local subjects."

FRANK J. TRAVERS, '23, Secretary, 210 E. McCarty Street, Indianapolis, Ind.

Southwestern Association of M. I. T.

The regular monthly meeting was held at the Kansas City University Club on Tuesday, May 10, with the following members present: Page Golsan, '12; Arthur S. Keene, '98; Howard J. Sutter, '13; Alston T. Cushing, '11; Bransford W. Crenshaw, '24; Hermann C. Henrici, '06; James C. Irwin, Jr., '18; William L. McPherrin, '14; Holland L. Robb, '21; Donald C. Bollard, '07; G. W. Hall, Jr., '23; C. S. Timanns, '18; Charles E. Brown, '20, In addition to these members we had as a guest Jonathan E. Woodbridge, '93, of San Francisco, Calif., who is in Kansas City temporarily on business for Ford, Bacon and Davis.

Our usual custom is to have one member give a short talk at each luncheon on some phase of his business. At this meeting Mr. Bollard and Mr. Keene gave a talk on the new Philtower Building at Tulsa, Okla., which the associated firms, Keene and Simpson and Edward B. Delk are now designing. It is a twenty-four story building of monumental design. The talks covered the usual progress of a building of this kind, from its inception by the builder to the finished building, and proved very interesting. At the July meeting Mr. Irwin will talk on the refrigerating and cold storage industry.

The June meeting took the form of an evening dinner and bridge party for Alumni and their wives at the home of Mr. Henrici. The party was held on June 11.

This association has been rather active the last few months in interesting young men in Technology, and we hope to show the results of the work by enrolling some new men from this part of the country at Technology soon.

H. C. HENRICI, '06, President, 9 West 11th Street, Kansas City, Mo.

News from the Classes 20 20

Ned Rollins, '71, holds an annual meeting of the New Hampshire Alumni at his beautiful place, Three Rivers Farm, Dover, N. H., every year near the end of June. One prominent feature of the meeting has always been the ball game between the members from the State of Maine and those from New Hampshire. He has agreed to change from baseball to archery this year, and has encouraged the undersigned to furnish a complete archery set for the purpose.

The regular archery matches are on grounds with a range of 60, 90 or 120 yards as the distance shot. The college folk at Wellesley, Cornell and others, as I understand it, shoot 40 yards, and all of these shoot 50 arrows for a turn. As our time will be short and all the competitors will be green beginners at the game, we have adopted 25 yards as the distance and ten arrows as the number for a turn. A complete set of rules will be furnished to guarantee safety and speed for

The archers will compete along two lines: (1) the two states, Maine and New Hampshire, will compete, and the teams making the highest total record will win; (2) the single archer making the highest record will win the prize cup of the tournament.

ROBERT H. RICHARDS, Secretary, 32 Eliot Street, Jamaica Plain, Mass.

An enjoyable quarterly lunch was held at the City Club on May 16 with Barrus, G. T. Elliot, Read and Russ attending. The Secretary read a letter from Holbrook, who is visiting in California, in which announcement was made of the death of Edward R. Hamilton, which occurred April 5. The Secretary also announced the death of Sherman L. Flanders in Manchester, February 21. He spoke of the European trip which he and Mrs. Read are planning, for an absence of six weeks, leaving Montreal, June 18.

Elliot related some of his interesting horticultural experiences at the Arnold Arboretum. — Russ, who with Mrs. Russ had just returned from a trip in the South, told of their travels. — A letter of regret was read from Chase, who had been back from a journey west only a day, and was unable to be present. — A card from Doane also expressed regret for his inability at the last minute to attend.

CHARLES F. READ, Secretary, Old State House, Boston, Mass.

A special meeting of the Class was held at the Engineers Club, Boston, on Thursday, April 28, 1927, "to consider business of moment." The meeting was called by President Hibbard and the Executive Committee, Bowers, Dorr and Lincoln, as required by the Class constitution. Prior to the meeting those present were Goodale's luncheon guests, for which pleasure he had asked Hibbard to hold the meeting at the club. There were ten present: Bowers, Dorr, Goodale, Hibbard, Homer, Wilfred Lewis, Lincoln, Nickerson, Morrill A. Smith and Warren. Lewis came from Philadelphia to attend.

Before the luncheon our genial host showed his album of the boys taken in the spring of 1875, with their autographs at that time, and a group picture of the '75 mining engineers as they went forth on their own, fifty-two years ago, which brought a crowd of memories. It was a delightful get-together. Let it be recalled for the renown of '75 and Technology that none has had greater distinction in mining and metallurgy than our Goodale.

"The business of moment," primarily related to the death of Hammatt, who had admirably filled the tripartite office of Secretary-Treasurer-Historian for forty-three years, and to elect a successor. The resolutions of condolence and appreciation of Ed Hammatt, sent to the widow and enrolled on the Class records, were read and approved. The undersigned was unanimously elected to this vacant office, with acclaim and without a hint of opposition.

Several minor matters were presented, discussed and passed on. In view of the steady falling off of our number, it was duly moved, seconded and carried that the constitution be amended to read that those present at the annual meeting, or at a called special meeting, shall constitute a quorum. Heretofore it required seven to be present to transact business. At our 1927 annual dinner and meeting there were but six gathered at the festive table: Bowers, Dorr, Goodale, Hibbard, Wilfred Lewis and Lincoln. This was at Young's Hotel, two months before that historic hostel finished its memorable career. Before adjourning a lusty vote of thanks was accorded Goodale for the hospitality of the Engineers Club.

Attention is directed to the two medals which were recently awarded to Wilfred Lewis, the presentation of which is told elsewhere in this number of The Review. Few mechanical engineers have recorded greater renown on Technology than our Wilfred Lewis, who always answers "Here" to the '75 roll call.

Members of '75 coming to Boston should bear in mind that Goodale hangs out at the Engineers Club, Commonwealth Avenue at Arlington, where he will be glad to see any of the boys. His Butte, Montana, residence will not see him this year.

Take notice of the address of the new Secretary; get busy and write him of your on-coming grandchildren and other awakening haps. Remember he is new to the office and prod him to make good.

HENRY L. J. WARREN, Secretary, 41 Sycamore Street, Windsor, Conn.

George J. Baldwin, of Savannah, Ga., died March 3, 1927, at Johns Hopkins Hospital in Baltimore, Md., after a brief illness. He had been very active in business and prominent in financial lines all his life. A more detailed account of his life will appear in a later issue of The Review.

John A. Wilson, '77, architect, died at Baltimore in April, 1927, after a long illness. He had been prominent in his profession and had recently retired from active business.

R. A. Hale, Secretary, Essex Company, Lawrence, Mass.

No news from any member of the Class. During the spring vacation the Secretary with Mrs. Barton spent three weeks with their son, Donald C., at Houston, Texas, where the latter is connected with the oil industry. He is a specialist in Salt Dome Oil Deposits and in work with the Eotvos Torsion Balance. As a special in the Class of '11, Dennie should look him up.

When we left Boston the fields were brown, the trees were bare of leaves, and no flowers were to be seen. Going via St. Louis we had only undulating plains after leaving New England. From the north boundary of Texas to Houston there is scarcely a hill one hundred feet high, and from Houston to Galveston, where we motored twice, there is no elevation that is ten feet above the common level.

In Texas we found the grass knee-high, trees in full plumage, and all lawns and gardens blooming with flowers, a strong contrast with what we had left behind. While there we first began to hear of the floods which we encountered on our way home. Trains were so delayed, as we started for home, that there was but one Pullman on our train instead of three, as there should have been. We got as far as Texarkana and could get no farther on the direct line to St. Louis, so we were detoured off around through Oklahoma, through thousands of acres covered with water often up to the tops of the fences beside the track. We crossed the Arkansas River at Fort Smith and found it a raging torrent with all the surrounding country overflowed. After many delays we reached St. Louis, and here we found the Mississippi River very swollen. In East St. Louis there were streets filled with water, car tracks submerged, and the lower stories of houses flooded.

In Indiana we encountered a snow blizzard which obscured the landscape for an hour and coated everything in white, again a strong contrast to the summer we had left in Texas. In New England we

found ourselves back in a late winter or early spring. We shall spend the summer at Lake Boone, Mass., where we will gladly welcome all Technology men or women at our cottage.

George H. Barton, Secretary, 89 Trowbridge Street, Cambridge, Mass.

This report from the Secretary, written on May 25 to meet the Review's deadline date, covers the advanced plans for the Forty-Fifth Reunion which are practically completed. It will consist of an outing at May-

flower Inn, Manomet Point, Plymouth, Mass., and will start on June 17. Advance information would indicate an attendance of about twenty-five (including the ladies). In the November issue of The Technology Review a complete report of what occurred at the Reunion, with all relevant detail, will be published.

WALTER B. SNOW, Secretary, 115 Russell Avenue, Watertown, Mass.

The Secretary removes May 21 to his summer residence at Concord Avenue, Lexington, Mass., from St. Petersburg, Fla. — Dave Wesson is handling the Class arrangements for the Technology Clubs Associated festivities at the Waldorf-Astoria, in New York, on June 10 and 11. Members of the Class will please communicate with him at 111 South Mountain Avenue, Montclair, N. J. Hope all and sundry, wives, progeny, pro-progeny, and pro-pro-progeny will appear!

HARVEY S. CHASE, Secretary, 84 State Street, Boston, Mass.

Members of the Class will learn with deep regret of the death of Barrett Chandler, about whom the following information has been received: Mr. Chandler died September 4 last from an acute heart attack at his home in Morristown, N. J. His first business connection was in the manufacturing department of Valentine and Company, varnish manufacturers, of New York. Mr. Henry J. Valentine was an uncle of Mr. Chandler. During his connection with Valentine, which lasted until 1892, he made very satisfactory progress in the manufacturing and development of varnish and varnish products. In 1893, he, with Charles B. Beckwith, who was at that time Treasurer of Valentine and Company, formed the Beckwith-Chandler Company, a New Jersey Corporation, and of this corporation Mr. Chandler was the Treasurer from its inception until the time of his death. This business has been successful and has grown to a considerable size from a comparatively small beginning. Mr. Chandler never married, and is survived by one sister, Mrs. Grace Montgomery of New York. For the past thirty-three years Mr. Chandler has been a resident of Morristown, N. J., residing at the Morristown Inn. He was a member of the Morristown Club, the Morris County Golf Club, both of Morristown, and the Metropolitan and Calumet Clubs of New York.

Indications of attendance of members of the Class at the New York Reunion are, at present writing, scanty. The annual dinner will accordingly be held in Boston, just before or after the New York dates in order that any who are there may also come to Boston.—C. B. Emerson continues to be actively interested in Honduras, as indicated

by printed matter recently received.

HARRY W. TYLER, Secretary, Room 2-261, M. I. T., Cambridge, Mass.

Alexander McKim announces that he has resumed practice as expert and consulting engineer, specializing in hydraulic development, water supply and structural engineering. His address is 141 Washington Street,

Albany, N. Y.
Albertus Magnus College announces the appointment of Mrs. Theodore Boveri (Marcella I. O'Grady, '85) to a professorship of biology and as chairman of the department of biology. Professor Boveri was graduated from the Institute in 1885, being the first woman to receive the degree of B.S. in biology. She was the first woman to receive the degree of B.S. in biology. She was the first woman to biology at Bryn Mawr, where she spent the years of 1887 to 1889. From Bryn Mawr she went to Vassar to organize the biology laboratory, and remained there as professor of biology until 1896, when she went to Wurzburg, Germany, to study under Dr. Roentgen. She was the first woman to be admitted to a course in science at the University there.

The sudden death of Mrs. Schubmehl, on May 23, was a great shock to the members of the Class, most of whom had met her at our two reunions at Sherwood Forest. Dr. Schubmehl has endeared himself to the Class by his great interest in it, his work for it, and his ever-cheerful presence. The sympathy of every man goes out to him.

Recent developments of the Trent process indicate that New Englanders finally may obtain their coal supply from mines in their own district, according to Arthur Little, former President of the American Chemical Society and of the American Institute of Chemical Engineers, who addressed the Engineering Foundation, research agency of the National Engineering Societies, at a meeting in New York on May 19. After telling of developments in connection with the so-called low-temperature carbonization of coal, he took up the subject of the gas industry, which he said is entering upon a period of great expansion. He said that the most significant of the developments immediately facing this industry are, perhaps, house heating and a greatly extended industrial use of gas.

In his capacity as director of industrial art of the General Education Board, Charlie Richards has been taking an important part in the new movement headed by Robert W. DeForest, President of the New York Metropolitan Museum of Art, to establish exhibitions and lectures the object of which is "to dramatize the varied influences of the fine arts upon our daily lives." His address is 61 Broadway, New York.

Ev Morss is sunning himself in southern Italy, slowly regaining his strength after his trying illness during the winter. His progress is very satisfactory, and after his return about July I he will spend the summer at Manchester.

Fred Newell has recently returned from a professional trip to Mexico; along the border and to the capital. Here he met his former classmate, Sr. Ygnacio S. Bonillas, '84, at one time Mexican Minister at Washington, also his son of the same name, of the Class of '08. Fred is actively interested in bringing the engineering bodies of the two countries into close relationship.

We learn as these notes go to press of the sudden death of Harry Talbot. A fitting tribute to his memory is given elsewhere in this issue, and all classmates will be in accord with the appreciation and

deep regret there expressed.

I. W. LITCHFIELD, Secretary, Hotel Wadsworth, 10 Kenmore Street, Boston, Mass.

It is with deep regret that the Secretary reports the death of Louis Reno Cobb at Montclair, N. J., on May 9. Since his graduation, Cobb has been continuously employed in engineering work, mainly in Boston and New York. He was married in 1892 to Miss Isabelle S. Perry, who survives him.

The heartfelt sympathy of all of his classmates is extended to his family in this bereavement.

ARTHUR G. ROBBINS, Secretary, Room 1-270, M. I. T., Cambridge, Mass.

In a recent trip through Chicago to Los Angeles and San Francisco, I saw Sturges, Shortall and Schmidt, all of them very busy and well. I talked with Green, who is now very much interested in nautical matters.

All these men will be at the Forty-Year Reunion of the Class. I saw Wilcox, who is building a house, which I went over with him, a few hundred feet south of Orange Grove Avenue in Pasadena. His son was in the Lafayette Esquadrille during the war and now holds a very responsible position with the Los Angeles Gas Company. At San Francisco I spent the day with Bliss, who took me around the city, out to the Golden Gate where we saw the sea lions on the rocks, and then out to his suburban home near Berkeley and Oakland. There, at his son's house, I saw his two grandchildren.

On March 30 a meeting of the Class committee on the Forty-Year Reunion was held at Young's Hotel. It was attended by Brainard, Bryant, Draper, Very, and Taintor. The date of the Reunion was set for Saturday, Sunday, Monday and Tuesday, June 11 to 14. It will be at some place in the country or at the seashore very near Boston, although the exact place has not been agreed upon at this writing. Another meeting of the committee was held at the same place on April 20, at 1 P.M. Very has seen Howes recently and reports that he is

Giles Taintor is now acting as Associate Secretary, and is responsible for these notes.

> EDWARD G. THOMAS, Secretary, Toledo Scale Company, Toledo, Ohio.

A Class dinner ton, on April members: Saw

A Class dinner was held at the University Club, Boston, on April 29, which brought out the following members: Sawyer, Wood, Buttolph, B. R. T. Collins, Sweetland, Keough, Blodgett, Horn, Pierce, Blood,

Baldwin, Runkle, and Snow.

B. R. T. presented the advantages and attractions of Great Chebeague Island, Casco Bay, Maine, in such a convincing way that it was unanimously voted to make that our headquarters for a three-days outing in 1928 in celebration of the fortieth anniversary of the graduation of the Class of '88, so make your plans now not to miss this great occasion. — Sanford E. Thompson of the Thompson and Lichtner Company, Inc., Boston, Mass., has been made an honorary member of the Instytut Naukowej Organizacji of Poland. That ought to "hold-him for a while."

Stephen Child has sent the Secretary an announcement by the Stanford University Press of California, where Child is now living, of the publication of a treatise by him on Landscape Architecture. One brief review of the book states: "The conception of the book as a series of letters from a landscape architect to his client adds a human interest. . . . To professional readers, the book should have interest as a series of studies, since the literature of landscape architecture is singularly deficient in such studies in any compiled form. . . . There is certainly a distinct place for a book which deals thoughtfully with a collection of problems, advantageously juxtaposed and chosen from the current practice of the modern landscape architect." Child is a Fellow of the American Society of Landscape Architects; a member of the American Society of Civil Engineers, the American City Planning Institute, and the British Town Planning Institute.

Through an oversight on the part of The Review in transcribing the Secretary's notice of the death of Russell Robb which appeared in the May number, no mention was made of his long connection with Stone and Webster, Inc., beginning in 1891. In 1905 he became a member of the firm and in 1920, after its incorporation, he was made senior Vice-President and Treasurer. He was a director in many of its

companies.

John Leighton Rollins, connected with the Class in 1884 and 1885, passed away on May 7, 1927. For a number of years he had been connected with Carter's Ink Company of Cambridge, Mass.

WILLIAM G. Snow, Secretary, 112 Water Street, Boston, Mass.

On the evening of the 8th of March an observer might have noted an unusual increment of traffic along the dignified slopes of Mt. Vernon Street. Shining limousines and glossy Fords slid noiselessly down or ground their way up "on second" to the front of a time-stained but lowly-appearing building whose lighted windows intimated expectations within. Portly gentlemen, some whiskered, but mostly not, seemingly captains of industry or kings of finance, puffed their way up to the same objective. All tried the wrong door, a little jeu d'esprit of the Club of Odd Volumes to supply a conversational opening for the evening. Eighteen of these aspirants, what with this and what with that, finally found the correct entrance and sat down to a repast prepared by the Brillat-Savarin of Beacon Hill which merits a detailed description.

At the head of the table, almost concealing the Jove-like features of Billy Thurber, the Mussolini of '89, there rose a jar of finest earthenware, whose Grecian outlines enclosed a sizzling collection of golden frijoles a la Madame la Presidente (get that?), rivals of the Hesperidean apples of yore, and flanked by the famous and usual garniciones which are so well known as trenchers of ham, old rose and brick red in color, reminding the observer of sunset over Capri, or the Boston Fire Department. Nearby, and bathed in the reflected light of this luscious vision, reposed oversized bowls containing a salad of pomegranates, wild honey and Burbank's mixture, wreathed in oleander and hung with myrtle. All of these Elysian viands had been consumed and duly appreciated when the climax of the feast, the degustation of several dozen golden brown, piping hot apple pies, each exhaling an aroma of Paradise and dripping honeyed amber all over the scene, brought the satiated senses of the society to a realization that one spot still existed free from the blight of the cafeteria and the demon of quantity production. How many of these apple pies were eaten no one knows, but a suspicious number, lodged on a window sill within reach of the President's good right arm, were seen to miraculously disappear

As time wore on, the classmates of '89 regretfully disengaged them-

selves from the scenes of gustatory delight and ensconced themselves in capacious armchairs where they listened to E. V. French's account of doings in the council and tried a guessing game on the names of Institute courses, which was won hands down by Laws. The classic and ever-touching woes of Mr. Sims were again narrated by "Juddy," and after some discussion as to the size of the captain's tears, Jap Whiting was then induced to tell about some of his little journeys in the Balkans and Himalayas (familiar ground to him) which caused his hearers to alternately shiver with thrills and rock with laughter. The only trouble was that Jap could not be persuaded to talk as long as his hearers wished he would, but as Sam Weller would say, "they wished there was more, and that is the true art of story telling."

Oh, the Secretary forgot to say that in the absence of the Treasurer, Harry Hunt, he read a statement of '89's finances which seemed to show that while the treasury balance is not especially high, it might be worse; still there is no objection to any one sending in a contribution to the treasury if he feels that way. Those present were: Bliss, Crane, Fiske, E. V. French, Hollis French, Gilbert, Hart, Hobbs, Kilham, Kunhardt, Laws, Lewis, William Lincoln Smith, Thurber, Tutein,

Underhill, Wales and Whiting.

The Boston Evening Transcript of March 3, 1927, has the following: "Albert Sauveur, Gordon McKay Professor of Metallurgy and Metallography at Harvard, has been made a member of the National Academy of Sciences. This organization, which is one of the most eminent group of scientists in this country, has a definite number of life members and appointments are made only on the death of a member. When interviewed, Professor Sauveur stated that he did not feel that his appointment came as the result of any special piece of research work that he has been conducting in the last few years in metallurgy and metallography but more as a result of his general activity in this field."

Walter H. Kilham, Secretary, 9 Park Street, Boston, Mass.

Your Secretary and Mrs. Gilmore left for California the latter part of January, remaining until April. Most of his time was spent trying to hit the golf ball. Any time any of you chaps hit the vicinity of the Hub,

if you will get in touch with him, he will be pleased to take you on. At Pasadena they dined with Mr. and Mrs. George E. Hale. The "Corporal" is enjoying himself immensely now. He has a small observatory in the suburbs of the city, where he is working on a hobby that has been in his mind for the last twenty-odd years. While it would be Greek to most of us, we believe he is studying methods whereby he can see further into the heavens than ever before. -John Batchelder was in California, but the nearest that he got to your Secretary was over the telephone. At Santa Barbara, a pleasant chat was had with our old classmate, Reverend George F. Weld. George is a real sky-pilot, and is evidently very popular in that part of the world. - Also while in Santa Barbara your Secretary and Mrs. Gilmore called on Mrs. Edward Cunningham, whose husband, Ned Cunningham, was in the Class of '91. Mrs. Cunningham will be remembered as the one in charge of the Technology Auxiliary work during the war. She has a delightful place there and is enjoying herself.

While motoring through to San Francisco, a night was spent at Santa Maria, and seated at the next table was Frank Atwood. Frank had been in California for some time, and his time also was occupied mostly in trying to hit the golf ball. — When passing through Watsonville, your Secretary stopped and had a chat with Arthur Wilson. Arthur has removed the beard worn during his senior year at Technology and now has a little goatee. He introduced his son to your Secretary, and it looks as if Arthur would have to go some to lay that young man on his back. — Returning, a further visit was made to Duluth, Minn., and a visit was had with Billy Peyton. He looks about the same as when he last appeared at the Class Reunion. Your Secretary motored over to Superior with Peyton to call on Frank Hayes, but Frank was evidently off on a bat. The next morning, however, we had a telephone chat, and he is apparently feeling as well as ever.

Your Secretary will be greatly obliged if some of you chaps would occasionally drop him a line and let him know what you are doing, and in that way he can keep the rest of the Class posted on what is going on among the members.

An air-mail card was received recently from Burdett Moody from Los Angeles. It was the first anniversary flight of the Western Air Express, Inc., and the engineer in charge is a Technology man. — A

letter was received under date of March 6 from deLancey from Paris. Darragh is over there looking up some Flemish art work in which he is very much interested. He is looking for some new modeling tool, and seeking inspiration for further group work in sculpture, which has become his hobby in the last few years. One that he has recently worked out is now being carved out of Georgia marble, and will be ready for erection in May.

In February, Dr. George E. Hale was presented with the Arthur Noble Medal, as a citizen of Pasadena who is adjudged to have done the most for the advancement of the city during the past year. — Mr. and Mrs. Cabot Morse spent the winter at the Bon Air Vanderbilt, at Augusta, Ga. They are home now, and your Secretary met them at the Country Club recently. — Charles Hayden is reported to have leased one of the suites in the new Savoy-Plaza Hotel in New York, which he will occupy after the first of October. He was recently elected a director of the Pond Creek Pocohontas Company. — George W. Fuller's address is 170 Broadway, New York.

Charles W. Sherman, a partner of the firm of Metcalf and Eddy, has now moved to the new Statler Building in Boston, at Park Square. — Professor Gary N. Calkins, who is now in charge of the American University Union at Paris for this year, will be found at 173 Boulevard Saint Germain. He will be glad to see any one from the Class who is in Europe this year. — Francis W. Crosby is at 4500 Euclid Avenue, Cleveland, Ohio. — Miss Minnie H. Rogers is now at 75 Southbourne Road, Jamaica Plain, Mass. — The address of Reverend Henry Mesjer is now 22 Franklin Court, Garden City, N. Y.

From what your Secretary learns, some of our classmates expect to be on the other side of the Atlantic this summer. Mr. and Mrs. Darragh deLancey sail in June. Also, Jim Clark, Jr., expects to sail with his family June 20, so will probably miss our Reunion.

We have just learned that our classmate, Leonard M. Hills, died

on June 18, 1924.

G. L. GILMORE, Secretary, 57 Hancock Street, Lexington, Mass.

Robert S. Ball, professor at the engineering school of Cambridge University, England, recently spent three weeks in Boston around April 1. He came at the request of the Institute to give a series of lectures on English methods of education. He came by way of New York where he spent a few days in consultation with Gerard Swope of the General Electric Company and while in Boston was the guest of Gorham Dana in Brookline.

The salient features of the English system, as he described it, were "honors" students and "tutors." The honors students are men of unusual ability who are given special facilities for advancement without being held down, as in the American system, by the average student. Men of this group who are able to graduate with honors, not only achieve a great distinction, but also are eagerly sought by employers. The tutorial system involves the placing of students under the direction of some tutor or advisor who suggests to him the best course to pursue and who has general oversight of his work. The honors system is already being tried in the electrical department of the Institute and seems to be rapidly growing in favor in many American colleges.

On April 2 a group of '91 men gave a dinner to Ball at the University Club. Those present were Bowen, Bradlee, Barnes, Bryant, Capen, Dana, Fiske, Forbes, Garrison, Hatch, G. A. Holmes, Howard, Howland, Lawrence, A. N. Mansfield, Palmer, and Vaillant. Dana showed the moving picture taken by Ensworth last summer at the Thirty-Fifth Reunion at Wianno and also the lantern slides of old

photographs.

On April 7, Dr. Stratton gave a dinner to Ball at his Cambridge home, where there were present about fifteen professors and classmates. He sailed for home on Sunday, April 10, and said that he had had a mighty good time. Many of us had not seen Ball for many years. He looked very fit, or perhaps the Englishman would say, full of stories and good humor. He wants any '91 man who goes to England to be sure to look him up.

Bowen, Young and Vaillant have all gone on their annual pilgrimages across the pond. Let's charter a boat and all go over. — Rowland S. Ludington died on February 20 at Wenatchee, Wash. No details were received. The Secretary will endeavor to get some account

of his life and work for the next Review.

The following appeared in the Boston Evening Transcript, dated March 5: "Mr. and Mrs. C. Barton Pratt of Boston, who recently arrived aboard their yacht Keewaydin to spend the winter here, were among yacht owners who entertained at the annual chowder party of

the Biscayne Bay Yacht Club which was held at the W. J. Matheson estate on Key Biscayne in Biscayne Bay. Mr. and Mrs. Pratt had as their guests aboard Mr. and Mrs. Harry B. Green of Miami."

A letter from Pinto states that he has retired from business and his home address is 52 Rua Borda do Matto, Rio de Janeiro. He sends regards to all his friends in '91. — Bert Kimball is now in the engineering department of Arthur D. Little, Inc., Charles River Road, Cambridge, Mass. — Charlie Garrison has been on a motor trip to the Pacific Coast. — Howard Forbes is building a house on Coolidge Hill, Cambridge. — Arthur Howland recently went to Detroit and elsewhere to talk on his specialty, the combination and classification of colors.

HENRY A. FISKE, Secretary, 260 West Exchange Street, Providence, R. I.

At the thirty-fourth annual meeting on April 22, the Class once again enjoyed the delightful hospitality of the Algonquin Club and of Wright Fabyan, its President and our former President. Among the thirty-six present were Dr. S. W. Stratton, our honorary member, and Professor W. E. Freeland of the Course in Engineering Administration at Technology.

Following the dinner, Dr. Stratton spoke briefly of conditions at Technology; with special emphasis on the difficulties found in the selection of suitable student material from the country-wide field of applicants for admission; and the assistance which Alumni, especially those in distant cities, might render the student by interviewing applicants.

Professor Freeland spoke at length on "The Progress Toward Science in Marketing." His address was a revelation to most of us, and was splendid evidence of the service that Technology's Course in Engineering Administration is rendering to the cause of education and to the business world.

The close contest for the election of officers showed the following winners: President, William S. Forbes, President of the Forbes Lithograph Manufacturing Company of Boston; First Vice-President, Henry A. Morss, Treasurer of the Simplex Wire and Cable Company of Boston; Second Vice-President, Frederick N. Dillon, Treasurer of the Dillon Steam Boiler Works of Fitchburg, Mass.; Assistant Secretary, George B. Glidden of Boston Garter fame; while Frederic H. Fay was given another life sentence as Secretary.

Those present were: President Samuel W. Stratton, honorary member of the Class, Professor W. E. Freeland, F. B. Abbott, Frank G. Ashton, Maurice Biscoe, J. B. Blair, Stephen A. Breed, E. B. Carney, H. N. Dawes, Fred N. Dillon, Ariel B. Edwards, J. A. Emery, William E. Evans, F. W. Fabyan, Frederic H. Fay, E. J. Flynn, W. S. Forbes, H. A. Gilson, George B. Glidden, C. F. Hopewell, S. C. Keith, W. D. King, W. F. Lamb, H. N. Latham, F. F. Low, Henry A. Morss, W. B. Page, Arthur S. Pevear, J. H. Reed, R. D. Reynolds, F. D. Smith, Charles M. Taylor, Louis B. Vining, James S. Wadsworth, S. P. Waldron, and Edward L. Wingate.

Rigby Wason writes under date of May 15: "Please delete my address at 21 Grafton Street, London. My present address is 12 Wetherby Place, London, S. W. 7. I have sold my business and retired."

A note of sadness at the Class dinner on April 22 was the announcement of the death on the day before of Richard W. Kenison, '24, son of our classmate, Ervin Kenison, Professor of Drawing and Descriptive Geometry at Technology, to whom the Class sent a resolution of condolence. The seaplane, from Hampton Roads Naval Air Station, carrying Richard Kenison and Wilbur Brigham, naval cadet fliers, fell in Hampton Roads, and disappeared after striking the water. Searchers were unable to find trace of the men. Last July, Kenison enlisted in the Naval Reserve as a seaman, second class, aviation student, and completed the forty-five day primary flying course at Squantum, September 11, 1926. He requested active duty to take the advanced flying course at Hampton Roads and qualified for commission as ensign in the naval aviation reserve this spring. He was ordered on active duty April 13 and was sent at once to Hampton Roads, reporting there six days before he lost his life. At Squantum he had proved a capable flyer and was one of the most enthusiastic student pilots of the

Arthur S. Pevear's insurance office is moved to 101 Milk Street, Room 202, Boston.

Frederic H. Fay, Secretary, 44 School Street, Boston, Mass. George B. Glidden, Assistant Secretary, P. O. Box 1604, Boston, Mass. We are glad to welcome back to Boston, J. H. Kimball, who, after twenty-five years in engineering work in the Middle West, has returned to the Hub and is now associated with Metcalf and Eddy at their new

offices in the Statler Building. Kimball has had a wide experience as a sanitary engineer, and for many years was located at Dayton, Ohio, where he had much to do with the development of the flood

prevention work on the Miami River.

John Kittredge has moved up from the South and is now located with Hyers, Costner and Harris, 2516 S. Seventeenth Street, Philadelphia. — Word has been received that T. Clive Davies, who for the past quarter century has been located part of the time in the Sandwich Islands and a part in England, is once more back in his native land with an address at 31 Wallbrook, London, E. C. 4, England. Any '94 men who happen to be visiting England this summer should make it a point to look him up, as it is certain that he would be glad to get in touch with his classmates.

L. R. Nash is still located with Stone and Webster, Inc., with an office at 49 Federal Street. Nash's position is such that it requires a great deal of travel to different parts of the country where the large operations of Stone and Webster are located. — Through the Division of Industrial Coöperation and Research, the Secretary learns that F. A. Schiertz is still living at Munhall, Penna. His address is 537

Ninth Avenue.

Again we are called upon to mourn the death of a distinguished classmate, Henry McGoodwin, who was for many years the Head of the Department of Architecture at the Carnegie Institute of Technology. To Mrs. McGoodwin the sympathy of the whole Class will be extended in her great loss. McGoodwin was an unusual man. Handicapped by the loss of one arm, he nevertheless took the course in architecture and was unusually skillful and successful in the practice of that profession and especially in teaching it. After his graduation he practiced architecture for several years, then from 1901 to 1904 was instructor in the Architectural Department at the University of Pennsylvania. From there he went to Washington University, St. Louis, for two years in a similar capacity. Then came his real opportunity when the position of the Head of the Architectural School at the Carnegie Institute of Technology at Pittsburgh was offered to him in 1906. The school was then in its infancy, and Mc-Goodwin was allowed full management, and the development of this school was largely the result of his work. The school rapidly broadened into a School of Fine Arts with additional departments of painting, sculpture, decoration, music and drama, as well as architecture itself. He was director of this college until 1925, when failing health compelled him to resign. His illness was one that baffled physicians and nerve specialists, and it was only his indomitable spirit and will power which carried him through four years of suffering. The Secretary is indebted to Mrs. McGoodwin for a copy of the tribute which was paid to him by his colleagues and associates at the Carnegie Institute.

"As members of the Executive Board of Carnegie Institute of Technology, we wish to assure you of our sincere sympathy in your bereavement. We, ourselves, have lost one of our veterans. Our association with Mr. McGoodwin has extended over many years, and time has brought an ever increasing appreciation of his rare qualities as an administrator and as a man - his unfailing candor and rectitude, his balanced judgment and keen sense of justice, his penetrating intelligence, and his clarity and wit in discussion. An important share in the development of this institution is due to his influence. The Department of Architecture is entirely his creation, firmly established by his exquisite taste and lofty standards. And from the early days of the College of Fine Arts, his strict ideals and wise foresight deeply affected the policies of the whole college, and during his too brief term, when he was its Head, brought it to its highest point of prosperity and well being." This was signed by President Baker and all the Heads of Departments and other colleges of the Institute.

Samuel C. Prescott, Secretary, Room 10-405, M. I. T., Cambridge, Mass.

An admonition! Some one on The Review once said: "Why don't Technology men write more letters?" commenting upon the work and results achieved by this important publication? Is it a lack of interest, apathetic disposition, or a latent modesty? Real Technology spirit can be manifested through the columns of your Review and it is your duty to coöperate. Wake up, '95. We are doing our share of the world's

work so let us hear of yourself as well as of the other fellow. Your Secretary expects some interesting accounts of your travels and experiences during the coming summer. Please do not disappoint him.

The wonderful demonstration of television conducted by the American Tel. and Tel. Co. on Thursday, April 7, has an added interest to '95 men, as Gerard Swope of our Class had the privilege of talking to C. G. Abbot, '94, at Washington, D. C. While talking, Swope had before him a very good, recognizable likeness of Abbot, with the changes in his countenance as he replied to the greeting. As the demonstration of television was only one way, Abbot could hear Swope but could not see him. The "seeing" privilege was accorded only to those in the New York group.

E. C. Alden was elected President of the Technology Club of Hartford, Conn., at the annual meeting on Saturday, April 23. Alden has always been interested and active in Technology doings and especially in the welfare of '95. We extend our best wishes to Eddie. — Judson C. Dickerman has recently enlisted his services as Associate Director of the Industrial Survey of Metropolitan Providence, R. I. This survey is being conducted by the Division of Municipal Research of the Massachusetts Institute of Technology under the direction of Professor W. A. Bassett. Mr. Dickerman is the resident director and can be reached at the Providence Gas Company Building, care of the Survey. He was formerly connected with the

Pennsylvania Power Survey at Harrisburg, Penna.

We sincerely regret to announce the recent death of another '95 man. Charles L. Parmelee of Courses I and XI, consulting engineer, Woolworth Building, New York, died April 4 at his home in West Orange, N. J., aged fifty-three years. His work had been chiefly connected with water works, filtration systems, reservoirs, dams for water supply, tunnels, and power plants. He was connected with the investigation regarding filtration at Louisville, Ky., Pittsburgh, Penna., Toledo and Cincinnati, Ohio, and other cities. His interests also covered the construction of the Yuma dam and the waterworks dam at Keene, N. H. At various times he worked with G. W. Fuller, J. G. White and Company, and the T. A. Gillespie Company. All '95 men mourn his passing on and their sympathy has been expressed to the family by your Secretary.

It has been decided by the officers of your Class to omit this year's annual outing at the Riversea Club, thereby permitting attendance at the Technology Clubs Associated Convention in New York,

June 10 and 11.

LUTHER K. YODER, Secretary, Chandler Machine Company, Ayer, Mass.

On Friday evening, May 20, a dinner and business session of the Class was held at the Engineers Club, Boston, with the following members present: Harry Baldwin, Bob Davis, Jim Driscoll, C. E. Locke, Welles Partridge, Myron Pierce, John Rockwell, Jim Smyser, C. W. Tucker, and Perl Underhill. After the usual formality of listening to the Secretary-Treasurer's report, various items of business were taken up.

Report was made that so far a contribution has been given to young Edwin Palmer of \$160 which carries him through December, 1927. Rockwell sees the boy at least once a week and therefore keeps in close touch with him and with the specialists at the Children's Hospital. The boy is making marked improvement and it is our expectation that three or four years hence he will be back to normal.

A formal vote was made for continuing over another five-year period the Class donation of \$50 per year toward Technology athletics, as a result of the strong appeal from Dr. Rowe which was ably seconded by Rockwell. There was some discussion as to whether Tech Show might not be run more economically and thereby yield

a greater contribution to athletics.

On the subject of general activities of the Class the first thing to be finished is the class book, and following this there is the completion of the '96 Scholarship Fund. It will be recalled that members present at Wianno in 1921 subscribed about \$6,000 as a nucleus for this fund, with the expectation that later this would be considerably increased by general contributions from the entire Class. The matter of dormitories was brought up for discussion, but it was decided that our other activities should have priority. The final formal vote was that, while the members present approved the idea of more dormitories, it was considered that the Class was not in a position to inaugurate a campaign for dormitory funds at the present time.

At the time of writing this manuscript, it is too early to make any estimate of how many classmates will attend the meeting of the

Technology Clubs Associated in New York on June 10 and 11, but some replies have been received to the Secretary's questionnaire, and these replies show that there will be at least a nucleus of '96

men for others to gather around.

Traveling items are as follows: Fred Damon sailed from Boston, on April 17, for a combination business and pleasure trip to Liverpool, London and Paris. He finally wound up in Wales and Scotland where he fulfilled the earnest desire of every golfer to play on the famous St. Andrew's links. He returned to Boston on June 7. Bert Thompson was off on his annual fishing trip in May so was unable to attend the Class meeting. Arthur Baldwin sailed for Europe about June 1. Ben Hurd and Rockwell had their annual fishing trip to the Accomack Club at Wachapreague, Va. The weather was a little cooler this year than usual, so that not so many fish were caught, but they were larger, running up to five or six pounds on the inside fishing grounds. Only one day was spent on outside fishing. Rockwell was in one boat and Hurd in another. The former caught nothing, while Hurd made a record of three big fish in one day.

Charlie Lawrence reports that his boy has qualified for his degree of Doctor of Philosophy, although he will still continue his research work into the summer. He also says that Steve Crane, who had undergone a serious spell of illness, is now back again at his desk looking good and showing buoyant spirits and stating that he is able to play nine holes of golf without distress. From far-off California comes a news item regarding Charles J. Barnes to the effect that Charles J. Barnes, Jr., who is located at the Edison Power House Number 1 at Big Creek, Calif., has been spending a vacation of two weeks with his parents on Bryn Mawr Heights at Redlands, Calif. His sister, Florence, gave a recital while he was home. — Con Young returned to Washington from Florida and reported that his neuritis

had been very much improved.

The Review Editors requested brevity for the last issue and, accordingly, an item featuring the appeal of Bradley Stoughton for broader vision and less materialism, being an address by him at the annual meeting of a Yale fraternity, was held over. However, the Review Editors stole a march on the '96 Secretary and published excerpts from the address in the last issue of The Review, to which classmates are hereby referred.

> CHARLES E. LOCKE, Secretary, Room 8-109, M. I. T., Cambridge, Mass. JOHN A. ROCKWELL, Assistant Secretary, 24 Garden Street, Cambridge, Mass.

The Assistant Secretary was advised by Chester Hubbard that his time had come for getting some notes from our classmates for the next Review, and so he wrote a number of men whom he knew you

would be glad to hear from, and out of the bunch received the fol-

lowing:

Harrison W. Smith writes from Springfield, Maine: "While I sympathize deeply with your editorial avocation, I cannot convince myself that 'half a column' in The Review is warranted by my exploits. If I had done some great public service, designed to control the actions of other people, such as putting through an amendment to the Constitution to prohibit the smoking of cigarettes (which I don't care for myself), I should then feel justified in casting aside restraint with the utter abandon of Mr. Wayne B. Wheeler when he informs us that he labored to prevent the people of Ohio from expressing by popular vote their opinion on the proposed Eighteenth Amendment.

"Since Fate denied me this beneficent impulse to coerce my fellow citizens, I am content to cultivate my little plantation in Tahiti, making occasional trips to Maine. In Tahiti I am endeavoring to develop a model plantation of coconut, vanilla, and a number of Malayan trees new to the South Pacific. Among the latter, the celebrated 'durian' seems to be well established and will probably bear

fruit within two or three years."

Alfred S. Hamilton writes from New York: "Your letter asked for at least a quarter of a column, showing my particular style of writing. I would love to do this, chiefly to accommodate you, and incidentally for the advertising benefit that might accrue to myself, but there are two reasons why I think I should not. In the first place, I do not believe I have any 'particular style' of writing. In the second place, who wants to hear what an insurance man has to talk about anyway? I am going to be at the big Reunion for one day at least."

Irénée du Pont writes the following from Wilmington: "It is easy to appreciate the difficulties of one who has the job of getting news from his classmates for publication. I don't suppose there is one person in a hundred who really ever does have anything happen of interest to the public; certainly nothing of the kind ever happens to me. Perhaps the best way of showing how uneventful my life has been since leaving Technology is to recite my occupation since that time.

"The first year after taking a Master's degree at Technology in 1898 was spent in a machine shop and drafting room; the next four years in the building business; since then with the E. I. du Pont de Nemours and Company, beginning as an engineer in 1904 and retiring from the Presidency of that company in March, 1926. During that time I have accumulated a wife and nine children, and since my retirement a grandson. I have also accumulated the reputation of being the worst golf player east of the Mississippi River and west of San Francisco, this to include the Hawaiian Islands, but enjoy the game perhaps a little more than some of the sharks.

"I have a 'shack' in the country north of Wilmington and hope that any of the Class passing by will stop off to see me. I propose to grow old there as gracefully as may be for I think that I have the most beautiful site in the state."

Walter Humphreys writes from 80 Federal Street, Boston, as follows: "Thank you for the compliment contained in your letter of May 2, which you paid by asking me to contribute Class news to The Review. I should like to help you but I am leaving for Washington immediately after two important conferences here and shall not have the time to help you this time. I am looking forward toward being with

you at the Thirtieth Reunion."

Walter Bush writes as follows: "Walter Bush reports that since last December he has been engaged in research work for the Industrial Management Department of the Harvard Business School. He finds the work of absorbing interest and is much impressed with the stimulating effect of the 'case system' on the work of the students. The cases, which form the basis of instruction for the courses in the school, are taken from actual industry and illustrate the issues and problems with which business men are dealing in the daily conduct of their affairs. As relating to the Industrial Management Department, the problems cover such subjects as raw materials, purchasing, equipment, factory layout, material handling, labor relations, wage payments and productive control. The collection of suitable case material is a work of magnitude and calls for a high degree of cooperation on the part of industry. Since the case system was introduced into the Business School about six years ago, over five thousand cases have been collected under the direction of the Bureau of Business Research, but not the least impressive aspect of this accomplishment is the generous assistance given by industry to the men engaged in the work of research."

We are interested in the fact that on the day of sending in this notice to The Review, Allen Jackson's daughter, Harriet, is to be married to Mr. Henry Webster Newbegin. I know that we all wish to congratulate Mr. and Mrs. Jackson on this event, and wish the

bride and groom all future happiness.

On Saturday, May 14, the engagement of Harry Worcester's daughter, Mary Jarvie, to Theodore von Rosenvinge, was announced. We also wish to congratulate Mr. and Mrs. Worcester on this engagement, and I know every member of our Class wishes the young

couple every success and happiness.

George A. McCarthy writes from New York: "This is a busy town and the Ninety-Seven men over here are pretty well scattered so I scarcely see any of them. It is this way with me. I am only too glad when the business day is over to catch the first train for home, the earlier the better. I have an extremely interesting little family and we are living about fifteen miles out, just beyond Montclair, with six acres of lovely trees, shrubs and flowers. We all get a great kick out of this outdoor life, and, as a matter of fact, I enjoy fussing around in my gardens so much that I even neglect golf."

J. Munroe Gilmore writes: "It is hard to believe that any one,

even a classmate, can be interested in the affairs of such a humdrum, uneventful life as mine, but I was always strong on doing my duty so when Charley Bradlee asked me for a quarter of a column of news about myself, I got out the last Technology Review and in my usual methodical manner calculated the least number of words that could

get by -226. "Well, I spent the first thirteen years of my professional life finding fault with the electrical equipment at the General Electric Company palmed off on the public, and the next seven finding fault with the goods that people offered the Electric Bond and Share Company. Then the tables were turned, for sinusitis put me onto a farm from 1917 to 1924 and I learned to my sorrow that the producer has

troubles — also feelings. While I was farming I discovered a way to make money that beat farming all hollow and drove electrical engineering entirely out of my head — dealing in securities.

"But if I am no longer an engineer I am still a fault-finder. My job now is to find fault with the securities that you are thinking of buying, or already own, and persuade you to buy some of our securities instead. I am also a forecaster; I can tell you which way the bond market is going, and which way the stock market is going. I can calculate the intrinsic value of any bond or stock on the list; I have just developed a sure system for beating the stock market (No. 6). The only reason I am still on a salary is that I love to work."

John A. Collins, Jr., Secretary, 20 Quincy Street, Lawrence, Mass. Charles W. Bradlee, Assistant Secretary, 261 Franklin Street, Boston, Mass.

Seth K. Humphrey has written up his wanderings through the Pacific in a book "Loafing Through the Pacific" which has just been published by Doubleday, Page and Company. Seth could always write fluently whether he was showing the certainty of the deterioration of society in his racial problems or just cussing the selfishness of automobilists; but in this book he has written delightfully and any streaks of pessimism are difficult to find. He stayed at each point just as long as he wanted and he kept apart from "civilized" people as much as possible observing the life of the natives. The reader is made to feel the charm of the simple life of the natives and is given plenty to think about in comparing it with our "civilization." Seth is now in South Africa and we have had several cards from Cape Town. He must have started by this time into the interior.

Another of our travelers, C. S. Harter, has just sent a card from Bogotá, Colombia, where he has gone to develop the uses of explosives. He expects to stay until September. — Another card comes from Paul F. Johnson from Algeria, where he has been getting quite a thrill from reighting places along the Marking and the

from visiting places along the Mediterranean.

We note that John H. Larrabee of the Hydrographic Office of the U. S. Navy was awarded the third order of the Chia Ho Medal for his efficient work in preparing Chinese officials for the opening of a

hydrographic office for the Chinese government.

The following clipping concerning the new Babson broadcasting station should interest our Class. "A new radio broadcasting service will open at 6 o'clock this evening at the offices of the Babson Statistical Organization, Wellesley Hills. The call letters of this new 100-watt station are WBSO and the tentative wave length is 242 meters. The station will be formally opened tonight when Leroy D. Peavey, President of the Babson Statistical Organization, will deliver an address explaining the purposes and aims of this latest addition to the number of local sending stations. The station will be on the air for fifteen minutes every evening from Monday to Friday inclusive. There will be presented a radio digest covering economic, business and financial conditions as interpreted by the staff of Babson experts. Emphasis will be placed on employment conditions as they exist throughout New England."

Lewis J. Seidensticker is now President of the Atlantic Sugar Refineries, Limited, with headquarters at Montreal.—Ed Chapin and Areli Jacoby dropped in today. They have organized the Deltex Company for the development of textile processes (del tex—see!) R. W. Jacoby, '10, Jack's brother, is President, Jacoby himself is Treasurer, and Chapin is Vice-President in charge of operations.

Their plant is at Pawtucket, R. I.

Roger Babson receives honors on every hand. He has been elected to the Technology Corporation, and the following word comes from Florida on May 31: "Roger Babson, Boston economist and statistician, today received the degree of LL.D. from the University of Florida in recognition of his extensive efforts in behalf of the economic development of Florida. In the commencement address which was delivered by Mr. Babson, he pointed out Florida's greatest need as being trained man power. Mr. Babson urged the graduates of the university to stand by their state and make it their home. 'Make Florida your home, become a real producer, employ labor and raise a good family.'"

Roy Peavey is chairman of a committee of the "Gideons" (commercial traveling men) that has just placed five thousand Bibles in

the new Hotel Statler and other Boston hotels.

ARTHUR A. BLANCHARD, Secretary, Room 4-160, M. I. T., Cambridge, Mass. From a far-western correspondent comes the following:
"We of the wild and woolly West feel that New York,
Chicago, and the civilized East in general are stealing a
march on us recently in news items of hold-ups, bank
robberies, blizzards, and so on." For this reason the first portion of the

column in this issue is cheerfully devoted to far-western news in an

effort to rectify the partiality of the press.

Your Secretary was so thoroughly interested and pleased to receive by the same mail, in answer to his last appeal, which some one has glorified by the term "Macedonian call," replies from three '99-ers who went west to seek their fortunes, that he is letting them tell it in their own words.

John Woollett of John Woollett and Company, Architects and Engineers, Mull Building, Sacramento, Calif., broke a twenty-eight-year silence as follows: "Your Class letter under date of March 28 reminds me that for twenty-eight years I have had no contact with Technology whatever. Class reunions, graduate loyalties and institutional pride have all been foreign to my experience. However, this will break the bonds at least of modesty or timidity as you will judge. Maybe it was an early venture into the realm of debt — serious debt — and the long struggle with it, that has taught me the virtue of silence and the

necessity of sawing wood.

"My own career has been along a reverse curve of monetary success but a straight line of experience, tons of it I must say, but looking backward I count most valuable the experience growing out of the difficult, and the ideals confirmed, proven and made precious in the midst of disappointment and loss. The losses came as inevitable steps in endeavor far overreaching itself. Answering an unspoken question, I knew but few of my fellow students; only Sites, Starr and Waddell continued as active friends. Herman and others became but a pleasant memory. Upon leaving Technology I quickly worked from draftsman to chief, then structural engineer in Pittsburgh, then partner in an architectural firm at Albany, N. Y., speculated in building development in 1907 and was cleaned out. I went west with Greeley's comment, 'Go west, young man, go west,' ringing in my ears and became state architect of California in 1912-13, and have practiced the profession of architecture since that time in Sacramento where I now live. Our work includes larger commercial structures — fire-proof or, as the case may be, rendering a combined architectural and engineering service. Here as a Y. M. C. A. director, Elder of the Presbyterian Church, Rotarian, my interests broadened.

"A pronounced speculative instinct led me to merge my interests in a fascinating deal. Hear me! River bottom land, rich as the Nile delta, deer in the brakes, quail, rabbits, fruit and alfalfa land supreme, profits! then post-war liquidation of 1921 and debts to pay. What is worth while, anyway? Well! A wife, Constance, whom I discovered as a girl at old Andover one snowy Christmas day when I was a freshman and ten years later married, two boys and three girls in my home."

Clancey M. Lewis of Seattle contributes the following: "I spent the first sixty days of 1927 following the activities of the twentieth session of the Washington State Legislature, being there in the capacity of manager of the Manufacturers' Legislative Bureau. I was one of a committee of lobbyists that made the arrangements and put on the program of the 'Third House.' I made one of the greatest speeches of my life in an effort to get myself elected speaker of said house, for which, apparently, there was but one other contestant, but when the roll was called every member voted for a third person. One Scott Z. Henderson, a former speaker of the real legislature, received all the votes. At this same session of the third house, the pseudo-governor, a dead ringer for Governor Roland H. Hartley, was ushered into the chambers astride a valiant steed and the speaker, upon receiving him, announced that he had ridden into the House rough shod and was now privileged to ride over the members in the same manner. The governor delivered his message, which was a classic, and was greeted with much applause from this august body of senior statesmen. Later in the program the real governor was escorted to the platform and allowed to be seen but not heard. When the orchestra struck up a good old southern jig tune he appeared on the platform and, much to the surprise of everybody, proceeded to produce a real good hoe-

"It may be of interest to some of the '99-ers, as well as to other Technology men who are interested in the problems of utilization of by-products, to know that through the work of the Manufacturers' Association of Washington, there has been organized under the management of the Association a company to recover oil and cake from the by-products of the peanut butter manufacturers of the Pacific Northwest. This mill is now being offered considerable quantities of

off-grade imported nuts to be re-worked and the products placed in commercial channels.

"I am right now busy with preliminaries for the twenty-seventh annual convention of the Manufacturers' Association of Washington, at which the various factors having to do with the stabilizing of industry in this state will be considered. Owing to our large cannery operations here, which has, as a group, the maximum amount of seasonal fluctuation along with several others similarly affected, we have a serious problem to keep our factories going all the time at maximum canacity."

W. Scott Matheson, II, Vice-President and Manager of the Bacon and Matheson Forge Company, writes that that firm has the only drop forge plant in the Northwest, and that they are trying hard to persuade people that they should go to drop forging. He suggests that we send out some people with money and a desire to spend it and have them purchase drop forging. Apropos of reunions, he thinks that Seattle would be a fine place for a reunion of some kind, for it is always delightfully cool and the scenery and opportunities are unequaled. They expect, he says, that the National Republican Convention will be held in Seattle in 1928, and to that end they are building a million dollar auditorium to seat 12,000 people. If that should not accommodate the crowds, they already have a stadium which seats 30,000. This is true hospitality! A seat for every visitor and delegate and newspaperman. For those of us who remember Baltimore, Chicago, Madison Square Garden and Cleveland where national conventions have been held, this would seem to be a good time to visit Seattle.

Arthur Hobart Herschel, another classmate who went west, and whose address is County National Bank, Santa Barbara, Calif., has written a book entitled "The Selection and Care of Sound Investments." Arthur was formerly special agent in the Bureau of Corporations. The book was published by the H. W. Wilson Company, 958 University Avenue, New York.

Walter C. Whitney, of Newton, has submitted a short essay of his life which your Secretary cannot improve upon, and which is printed here in full: "After graduation I entered the employ of the Boston and Albany Railroad in the engineering department, working first in that line of work and the last four years in the maintenance department as supervisor of bridges and buildings. In the spring of 1914 I left the railroad and went with the Interstate Commerce Commission on the railroad valuation. At first I had a road and track party, but later was located in Washington in charge of building inventory and pricing. In 1920 I had a chance to associate with the Factory Mutual Fire Insurance Companies in Boston, and am still with them. My work is the appraisal of manufacturing plants for insurable value. The territory is from Nova Scotia to the Carolinas and from the Atlantic Coast to the Mississippi River. I am away from Boston on an average of about ten days a month. In the course of my travels I have seen several '99 men and hope to see more as time goes on.

"About a month ago I was in Columbus and had a very enjoyable two hour visit with Philip Burgess, and later, on the same trip, called on Stanley Motch in his office in Cleveland. I find that they both are very keen for a Thirtieth Reunion in 1929. Readers of The Review will recall the letter from Ben Hinckley in the April issue referring to the call Mrs. Whitney and I made at his home. And now I will tell one on him. On the occasion of the lunch at the University Club on March 22 I called him on the phone about it the night before, and he was attending a meeting of the Board of Aldermen. He got home about 2 A.M., went to business the next day, but forgot all about the lunch. Well, he showed up at the second one held on April 5. Let's start now working for the Thirtieth Reunion so we can have more present and, therefore, a better time even than at the Twenty-Fifth."

Ours is a modest and humble Class. We do not like to "toot our own horns," and this is, in all probability, the reason that Walter omitted to relate his latest achievement. Arthur H. Brown is determined, however, that justice shall be done. He writes as follows: "The Class of '99 has started what bids fair to be a permanent and very agreeable custom, namely, to meet twice a month for luncheon at the University Club. You may know that soon after the Club got to running, a Technology table was established on Tuesdays. We have taken advantage of this to have a special '99 table on the first and third Tuesdays of each month. Full credit for inaugurating the '99 custom must be given to Walter C. Whitney. He was the one who suggested it and passed the word around for the first meeting. This was on March 22, at which six members of the Class were present: Whitney, Corbett, Richmond, Witherell, Hern and Brown. The second luncheon was on April 5, and six other men turned up who were not at the first luncheon - Pennock, Sherrill, Harry Morse, Grover, Hinckley and Patch.

At this time the members present decided that two such meetings a month were preferable to one a month as we had tentatively planned at first. They directed your Assistant Secretary to make a note of the sense of the meeting and to tell you of it for insertion in the next issue of The Review.

"It was expected that the practice thus started will continue, and it is desired that notice be given in The Review so that any of the members of the Class from outside of Boston who happen to be here on the first or third Tuesday of the month may drop in for luncheon and renew acquaintance with old friends. Membership in the Club is not required for attendance at these luncheons. The first and third Tuesdays of each month, at 12.30, or any time from that hour until 1.30.

"Pennock, who was with us on the fifth, was making his first visit to Boston since graduation, if I understood him correctly. At any rate, it was the first time he had attended any Class gathering. Sherrill has been back at the Institute since last October, after a year spent in California in research work and authorship, with more or less recreation and diversion on the side. He told me he had obtained a great deal of benefit, both professionally and otherwise, from his year's absence.

"I have endeavored to think of some news worth while concerning myself to help you fill the space for which you have contracted, but cannot think of any. I follow the usual routine of the average citizen, going to my office in the morning and home again at night, and spending my working hours in trying to secure patents for more or less valuable inventions, interesting to me, but hardly to any one else. I broke this routine last spring to the extent of making a short journey to Europe with my wife and two boys, in the course of which we made a quick run through Italy, Switzerland and France, but that was a year ago and is not now news. I ran across Arthur Hamilton in Florence."

Arthur Hamilton, familiarly known as Ham, didn't tell us anything about being in Florence, but he has written from Sugar Hill, N. H., that he is busy superintending the building of two houses, one for his son near Cambridge, and the other for his wife in New Hampshire, and he will not be able to get away this summer. This is all he says about himself, which bears out my former statement that we are averse to "horn tooting." Another correspondent writes: "You may be interested to know that Arthur Hamilton, having traveled all over the world, and having absorbed the wisdom of the East and West alike, has returned now to this country and bought a farm in northern New Hampshire where he purposes settling down to the milking of cows and the ploughing of fields. He has two horses, very strong, with wings on their flanks, and several cows that give both milk and butter. He has also just bought a bull which he claims is directly descended from the bull in the forecourt of the Palace of Tutankhamen." Your Secretary has read this item with extreme interest and wonders if his correspondent had been reading "Bulfinch's Age of Fables," "Once on a Time," or "Winnie the Pooh."

George A. Pennock, technical superintendent of the Hawthorne Works, Western Electric Company, Chicago, Ill., wrote that he spent the week of April 4 in Boston and Cambridge, renewing old acquaintances. He says they sat around the table for about two hours at the University Club at luncheon, prying into each other's affairs, and had a most enjoyable time.

Edmund T. Stewart, Tampa, Fla., acknowledged an invitation from Walter Whitney to be present at one of these luncheons and wrote, "Owing to my present location you will see that it is not as simple as it sounds. I think the idea is fine and you have my best wishes. I trust that I may be in Boston a little later, and if so shall be glad to look up my old classmates."

On March 18, Edwin Sutermeister, Westbrook, Maine, addressed the Maine section of the American Chemical Society at the University of Maine. His subject was "The Chemist in the Paper and Pulp Industry." I have it on good authority that the attendance was large and no one went to sleep during the lecture. The Chemical Catalog Company has just published an American Chemical Society Monograph, "Casein and Its Industrial Applications," by E. Sutermeister and ten collaborators. Mr. Sutermeister had a serious accident last year, but he reports that he has practically recovered from the ill effects of it. This is good news to his classmates.

F. L. Lacaff writes the following from Bethlehem, Penna.: "Pardon me for not having replied to former requests for news for The Review, but you know one always feels a hesitancy in putting himself in the limelight as to his personal affairs. [Three times and out! Secretary.] I have had very little opportunity to meet former classmates in the

past, but hope I may sometime meet some of them. There are quite a few Technology men in this city. I have had pleasant visits with quite a few since I came here two years ago. At this time I am manager of Plant No. 3, of the Holland Furnace Company, the main factory and office of which is located in Holland, Mich. We manufacture exclusively warm air heating equipment in the three factories and operate through branches located in about five hundred cities of the country. Previous to coming to Bethlehem, I was construction manager for the same company, operating in Holland, Mich., taking care of their building and maintenance work at the two factories they were operating at the time.

"I trust this small news item regarding myself may be of interest to some of my old acquaintances and classmates as news regarding

them is to me.'

Lawrence C. Soule, Secretary and Sales Manager of the Aërofin Corporation in Newark, N. J., reports that the business is so good that he took a trip to California a year ago during the winter and enjoyed the climate very much. Larry also reports the birth on January 17, 1927, of Larry, Jr., which makes two boys for Larry, Sr., both of whom will eventually go to Technology.

Your Secretary has been advised that it is a growing custom among colleges to select their entrants from a waiting list. It is apparent that Larry Soule, Jr., has been registered for admittance to Technology in due course of events. He will not lack for companionship, for Malcolm Freeman Burr, who arrived on March 16, will be registered for admission also unless his mother, Margaret Corse Burr, should have

other plans for her son.

Edwin A. Packard, manager of the patent department, International Combustion Engineering Corporation, announces the removal of that company's offices from the financial district to International Combustion Building, 200 Madison Avenue, New York. This is in the Grand Central section, one block from the Waldorf-Astoria. — F. W. Caldwell, who is with the General Electric Company, Schenectady, N. Y., writes: "You want news. You always did. See attached." Attached was history. Good history. War stuff. We hope to use some of it later, but eight pages of news prohibited it for the present. — James A. Stetson has sent greetings from Fairhaven, and Harry K. White writes on his bill for dues, "What do you do with all the money?"

This pertinent question brings me to the all-important question of the Thirtieth Reunion, proposed for 1929, to defray the expenses of which I am saving all that is left of the aforementioned money, above the cost of "appeals" and postage. One correspondent states that he is in favor of this Reunion, though that does not necessarily mean that he will be able to attend it. Another says that he thinks it should be held in the country, where the distractions of cities will not prevent a real reunion. From Maine to California, the consensus of opinion favors a Thirtieth Reunion, and it is not too soon to begin consideration of ways and means and time and place, and it is a subject to be considered during the vacation months.

W. M. Corse, Secretary, 810 18th Street, Washington, D. C. A. H. Brown, Assistant Secretary, 53 State Street, Boston, Mass.

Once in a blue moon there comes out of the South or West a member of the Class whose geographical isolation and innate modesty have shrouded his activities for so many long years that we have ceased to look for his face and have contented ourselves with the memories of things as they used to be, helped out by frequent scannings of the Class picture taken on Rogers' steps in 1900. Gerald Frink came on from Seattle in April and visited the Institute for the first time since commencement. His son graduates from the mechanical engineering course this next June. Frink is President and Manager of the Washington Iron Works at Seattle.

Harry S. Mabie is another member of the Class who has escaped detection these many years. Mabie was with us in our early beginnings and lost sight of the fact that "once a Technology man, always a Technology man." We are mighty glad to learn of his whereabouts and to know that he is holding up the best traditions of the Class as a clergyman in the Baptist Church at Madisonville, a suburb of Cincinnati. Here's hoping the local Technology Club gets hold of you, Mabie, and sees that you make up for lost time in being a Technology man and a member of the Class of 1900.

It is probably carrying coals to Newcastle to tell of the latest news concerning Charles E. Smith. At least it is as fatuitous as would be the printing here of the news of Lindbergh's trip to Paris. However, there may be some of you fellows who never read the newspapers or who live so far from civilization that news is no news by the time it reaches you.

The papers of New York City on April 14 told the world that its long years of wrangling and struggling with the transit problems were about to come to a close and that for the weary and disheartened public the beginning of the millennium was at hand. The City of New York has gone to St. Louis for help and obtained the services of our genial Charlie, whose work in the latter city has earned him an enviable reputation as an engineer, business man and astute politician. New York has asked him to make an exhaustive study of its transit problems in connection with its subway system, and make recommendations for their solution. Smith comes to his new work well equipped, having recently completed a detailed valuation of the street railway properties in St. Louis and designed a comprehensive rapid transit plan which would provide the city with adequate subways and transit lines. The magnitude of the plan may be imagined from the statement that it entails the expenditure of \$40,000,000 during the first five years. This portion of the plan has already been approved by the Board of Aldermen and is the first step toward providing St. Louis with an adequate transit system.

Smith has had a remarkably broad experience since his graduation. Beginning in the City of Boston, he took active part in the original construction of the subway system when first projected about twentyfive years ago. The year 1907 found him with the Missouri Pacific Railroad for whom he served as bridge engineer and later as chief engineer, having charge of the construction and maintenance of 7,000 miles of railroad. In 1915 he entered private practice and for twelve years has served St. Louis as its consulting engineer. In 1916 he received the James R. Cross gold medal from the American Society of Civil Engineers for successful deep foundation work. He is a member of this society, also the American Railway Engineering Association, the American Electric Railway Association, the American Society of Military Engineers, the American Legion, the Engineers Club of St. Louis, the St. Louis Chamber of Commerce, and is a past President of the American Railway Bridge and Building Association. Best of all, he is a loyal and highly esteemed member of old 1900. All up for Charlie!

Bill Stone wrote us a note recently from Glen Cove, Long Island, N. Y., but neglected to say what he is engaged in at present. For some years he has been with the Board of Water Supply and we assume that he is still helping New York to find enough to quench its thirst.

Clinton Thurber will leave the Boston Navy Yard in June and go to Portsmouth, N. H. For nearly five years he has been at Boston and although he will miss the old town, he figures that a home on the banks of the Piscataqua must be pretty slick, especially this coming summer.

George E. Russell, Secretary,

Room 1-272, M. I. T., Cambridge, Mass.

Since writing the last set of Class Notes, a second call was issued urging members of the Class to make contributions toward the Class dormitory. Over fifty members of the Class have sent in contributions in response to this appeal and it is hoped that the number will be greatly increased before the fall.

Within a few weeks also there will be a meeting of the Technology Clubs Associated in New York. Vermilye has undertaken the organization of the New York group and has circularized the other Alumni urging their attendance. By all showing the Class should have an excellent representation at this very important gathering.

Fred Clapp sends me a brief word that he leaves in July to undertake extensive oil investigations for the Persian government. That some such move was inevitable could have been prophesied as Fred has been home in this country for several continuous weeks. He is one of the most confirmed travelers in the Class and has built up a mileage which must compare favorably with other Class records. And to think that twenty-five years ago we associated geology with breaking up mineral specimens in the basement of the Natural History rooms. Uncle John D. and the internal combustion engine have certainly embellished some forms of human activity.

Arthur Hayden is in charge of the design department of the West-chester Park Commission. He is originating plans for steel and reenforced concrete bridges and a variety of other structures used in the elaborate parkway system which constitutes a principal approach to New York City. He is also conducting a private consulting practice. Arthur publishes with the A. S. C. E., and those of the Class who indulge in this technical form of light literature are undoubtedly familiar with some of his articles.

Charlie Rockwood, he of the gentle speech, disarming smile and of "pigtail twist" memory, writes from Geneva, Ill. He is the Chicago representative of the Anderson Chemical Company, a subsidiary of the Merrimac Chemical Company which is largely a Technology enterprise. They manufacture a variety of nitrocellulose products. Charlie was married in 1915, lived in Indianapolis until 1917, and then migrated to his present home. There are two children, a boy of ten and a girl of eight. Charlie expected to attend the Twenty-Fifth Reunion but sickness prevented, so he is all lined up for the Fiftieth.

Allan McDaniel whom I missed last week in Washington, writes as follows: "With relation to the alumni activities, as past President of the Washington Society I am still continuing my activities in order to assist the Society in constructive work to keep alive the Technology spirit in Washington, and to assist Dr. Stratton as far as possible in the splendid administration of our Alma Mater. We are appointing a special Service-to-the-Institute Committee, to cooperate with the national committee in its efforts to be of definite assistance in the

building up of the Institute.

"During the past two years two other Technology Alumni (F. H. Newell, '85, and W. M. Corse, '99) and I have been developing two organizations, - one the Research Service, Inc., to represent outside organizations in Washington, and the other, Newell, Corse and Mc-Daniel, a firm of consulting engineers. The latter organization has a number of distinguished associates in different parts of the country with a view to furnishing the services of specialists in the various fields of professional engineering, in making surveys, investigations, and reports, especially on reclamation, waterpower, water supply, land development, industrial and mineral projects and valuations.

Roger Wight sends in word from Hartford where he is still with the Travelers Fire Insurance Company. As previously noted in these columns, Roger supported the Twenty-Fifth Anniversary and is pledged to enliven each successive five-year gathering. - Phil Moore was recently in town although through ill luck I did not see him. -Sol Stone of Buffalo writes in joyously of the Twenty-Fifth Reunion and also announces that he has joined the Sons of the American Revolution, although modestly disclaiming any personal participa-

tion in the conflict.

Joe Evans has written me several times concerning the possible whereabouts of Bill LeBosquet. He states in one of his communications that Bill will probably be found around the oil fields. Certainly our old friend LeBosquet does not meet with undue friction in his motion of horizontal translation. My numerous attempts to reach him have been futile and my letters are always returned superscribed "The cuss has left," or some such informative caption. — Blanchard is in New York and will undoubtedly be present at the meeting in June. - Fred Bass is still at the University of Minnesota where he is now head of the Department of Civil Engineering.

Louis Henrich is one of the less reticent of the group who matured in Course IV. He sends me his address without other decoration, but this so far transcends the efforts of most of his professional associates as to be worthy of note. - Fred Bond's sole communication to the Class during the last twenty-five years has been a cryptic and non-committal "O. K." carefully engrossed at the foot of a page. — Charlie Tufts in Syracuse was instrumental in establishing the "Community Chest" there. There is a certain lacteal suggestion here which will appeal to adventurers and dog fanciers. - Fred Davidson writes in from San José, Calif. Fred White is another of the Class with the Telephone Company and is stationed in Newark, N. J.

I have a newspaper clipping with a very good portrait of Matt Brush in which he is designated as a real optimist. An expression of this is his promise to attend the Fiftieth Anniversary. clippings have reached me from DeBerard whose activities have already been commented on in these columns. - Henry Marcus is still in California. - Willard Dow is the proud possessor of three youngsters, one of whom is the head of a camp in Maine, another studying at the Sorbonne, while the son and heir at the ripe age of ten is living

at home to look out for the old man.

Guy Peterson is with the American Tel. and Tel. Co. in New York, where he has been since graduation. - B. F. Clark is in New Jersey representing the American Manganese Steel Company. - Heber Haynes is in Lawrence, Sumner Hazelwood in Revere, and Ellis Law-

rence is still decorating the Pacific coast.

During the year I have made an effort, several of them as a matter of fact, to get the Class addresses corrected and up to date. Several members of the Class have sent in information, notably Joe Evans, concerning the elusive John Elliott LeBosquet. There remains still a number, however, of our little playmates who have seemingly wandered far from the fold. If you chance on any of them, send in a word, or better still, persuade them to do so.

Summer approaches. You will be spared any further onslaught on your private and personal information until later in the summer, then you will receive the usual series of communications, not the least important of which will be that which centers around that pregnant phrase "enclosed please find." A pleasant summer to you all.

ALLAN WINTER ROWE, Secretary, 4 Newbury Street, Boston, Mass. V. F. HOLMES, Assistant Secretary, 131 State Street, Boston, Mass.

At the time this issue of The Review goes to press it is impossible to give an account of the Twenty-Fifth Reunion, and the issue will not be out in time to carry any advance notice regarding this important event.

Particulars will be announced by issues of the "Retort" and an ac-

count sent out in the same way.

Bosworth was elected to the Denver School Board at a special election held May 2. He received the largest vote of all the candidates for the full six-year term, and was only about two hundred votes behind the unopposed candidate for a short term. Classmates will join in their congratulations to Bosworth on this evidence of the esteem of his fellow citizens.

Word has been received at the Institute office of the death of Sol Sharp Foster and his brother Thomas. The Foster brothers were members of the Class the first term of our freshman year. Little has been heard of them since their brief stay at the Institute. Thomas died in January, 1920, at Atlanta, and Sol in December of the following year at Louisville. Death in both cases was due to pneumonia.

Elmer Harvey is with the Sessions Engineering Company of Detroit, Mich., and his address is 3283 Clairmount Avenue. — Mathesius is taking his family abroad for a trip this summer. Bob Baldwin with his wife and two big sons have gone to Europe, and McDonnell is

going.

Paul Weeks is General Service Manager for the Caterpillar Tractor Company of Peoria, Ill., and his address is 1715 Columbia Terrace. Weeks had been for a year and a half with the American Car and Foundry Motors Company of Detroit as chief engineer and service

Can any one help in locating the following classmates: Arthur A.

Jackson, William Waterman, Rayne Adams?

FREDERICK H. HUNTER, Secretary, Box 11, West Roxbury, Mass. BURTON G. PHILBRICK, Assistant Secretary, 276 Stuart Street, Boston, Mass.

Some of the following news items had to be deleted from the April issue for lack of space and were thus delayed until now. A Christmas letter arrived from Horace G. Simpson: "Your letter of October 25 is at

hand. I can sympathize with you in your job of picking up Class news, as I imagine everybody feels the same as I do — that if nothing occurs to astonish the public we are not called upon to rush into print. But your S. O. S. signal cannot well be disregarded, so here goes to help keep the ship from sinking. Taking it categorically from your letter: Long ago we gave up any hope of satisfying the butcher and the baker, and are quite content if we can keep out of the hands of the sheriff, buying enough gasoline for the present generation, and letting the rising one find its own. John Junior, who bears another name in our family, has not only got into high school but out again (graduated, not thrown) and somehow has managed to get himself admitted into Stanford University, having uncovered no bent which receives any recognition at the Institute. We hope, if no one's foot slips, that his sister will be at Wellesley next year. . . .

"Off and on we see quite a number of people from the Institute here, but not often of our Class. Some one just told me that Mel Hatch has located in Dallas, and as I go through several times a year I may find time to look him up. I believe, also, that we have a couple of men at El Paso, but I have not run into them. We miss Sibbet, '03, who has left California for Salt Lake. Parker is here, but spent last

winter in Chile. . . .'

It is interesting to notice how the really busy men come across. Here is one from A. A. Potter, Purdue University, LaFayette, Ind.: "I was very pleased to receive your letter of October 25, and am glad to be able to give you the following details concerning my career since graduation from Technology. Immediately after graduation I was

connected for two years with the General Electric Company and was also on and off with that concern until about 1913. In 1905 I took up university work, becoming assistant professor of mechanical engineering at the Kansas State Agricultural College, was promoted to head of the department in 1910 and to dean of the division of engineering in 1913. In 1920 I accepted my present position which is that of dean of the schools of engineering and director of the engineering experiment station at Purdue University. Besides my academic work, I was an associate member of the Naval Consulting Board, also Educational Director of Technical Training for the Army during the war. I am also author of three books and about one hundred signed articles in various engineering publications on power engineering and other applications of thermodynamics. I have also had some connection or advisory capacity with a variety of concerns and am at present Advisory Editor for Ginn and Company, as well as Advisory Engineer

for several utilities and manufacturing concerns.
"I was married in 1906 to Eva Burtner of Manhattan, Kans., and have one son, James Gregor, who is a junior at Princeton, majoring in physics, and a daughter, Helen, aged fifteen, who is in the high school at LaFayette, Ind. My duties at Purdue are mainly administrative. I give a few lectures now and then, but my main task is to see that the 2,100 students who are enrolled in engineering are given the proper instruction, that the cooperative relations which exist between the Purdue Experiment Station, the industries and utilities are carried out, and that the University is kept constantly before the public. Accordingly, it is necessary for me to travel considerably; in fact, I am away from the University about one-third of the time. The teaching engineering staff, which reports through me to the University, includes ninety-nine professors and other teachers. About eighty who are devoting all of their time to research in addition to these also report to me as well as the staff in engineering extension. I have endeavored to give you in a general way the story of things that I am doing, and I shall be pleased to hear about my other classmates."

From a news clipping dated at Albany, N. Y., in January, we read an interesting account of the proposed Lake Champlain bridge which the commissions of two states have recommended for construction at Chimney Point, Vt., and note the name of former senator Mortimer Y. Ferris as chairman of the New York commission. The estimated cost of the venture is about \$900,000, the length of the bridge 2,080

feet to be divided into seven spans.

Following is a letter from Charles S. Glenn: "I have your form letter of October 26. Starting at the postscript and working up, I had not forgotten the Twenty-Five-Year Reunion in 1928, because I have never heard of it. However, now that you have mentioned it I shall try to bear it in mind. There are, indeed, very many of my friends of student days whom I have not seen for years, or heard of. Although I run across quite a number of Technology men, there are only one or two of the 1903 fellows that cross my track. For the benefit of those who are interested in vital statistics appertaining to the Class of 1903, I might say that I have been married for the past ten years and still have a wife and four children, of whom three are girls and one is a boy. I have just returned from putting them all into school in France, where I hope, under the tender guidance of their instructors, they will be able to obtain a modicum of the information that I imbibed within the classic halls of Technology. Aside from the above you may be interested in knowing that I no longer have use for a hairbrush, but that part of my teeth are still intact. What little time I can spare from the support of my family is passed on the golf links. I do not excel at this sport, nor can I ever hope to, but at any rate, the game is amusing."

Here is a letter sent us last fall by Kershaw during a brief moment in a Connecticut hotel. Even the busiest men can find time for Class news if they will, and we appreciate it. "The hotel stenog is off duty and I'm shortly on my way again so here goes regarding your circular letter of October 26. Since leaving Technology I have seen comparatively few of the fellows of '03. As engineer for the Linde Company and latterly for The Superheater Company of New York, my work has taken me over most of the continent from Panama to Alaska, and I have occasionally come across a familiar face recalling my days at Technology. In the years that have passed since leaving school I have acquired a family, which has contributed toward my education in no small degree. My wife, two sons and one Boston terrier constitute my family as is. I find it expedient no longer to chastise said two sons, inasmuch as their heights are six feet, one and one-half inches, and six feet and four and one-half inches respectively, and their weights are 180 pounds and 203 pounds respectively - but I can still lick the

pup! At last reports the butcher and baker were satisfied and the rising generation (in my case, risen) has not run out of gas. Besides all of which I still have some pennies for pipe tobacco and my car fare home. Here's hoping your letter pries another one out of the rut of silence."

The following letter from G. Huntington Clapp, Los Angeles Harbor Department, Berth 90, San Pedro, Calif., speaks for itself: "I received your letter last October and my intentions were to answer it sooner, but it has been truly written that 'Perdition is paved with good intentions.' My mind works something like that of the Englishman's who laughs at a joke an hour after it is cracked. Anyhow, my mind has just caught up with this letter of yours, and it will take somewhat over two minutes to answer it. If I should start to write my autobiography since I left Technology at the end of my third year in 1902, it would take several sheets and then some. It would also scare you at the size of the letter and you would probably chuck it in the wastebasket, unread.

"I will begin now and run my career backward from date. I have held twelve distinct jobs since 1902 when I left Technology and have generally bettered myself at each change. I have never been out of a job during the twenty-five years I have been out of Technology. My title here in the Los Angeles Harbor Department is assistant civil engineer. I have been connected with the Harbor for six years and have passed from the title of junior civil engineer to assistant structural engineer, and then to the present one nearly three years ago, . . I have just bought a new home in San Pedro. It is a Dutch Colonial, six-room bungalow. It is the first home I ever owned. I had lived in Los Angeles and traveled to and from San Pedro, twentythree miles and a one-hour ride, during the past six years and finally

decided it was too great a waste of time and energy. Before coming to California I was located in Pittsburgh, Penna., during the six years preceding, and while there, I held six different positions. I spent about eight months as junior assistant engineer with Morris Knowles, Inc., sanitary and hydraulic engineers. He was a Technology man, Class of '92. Previous to that I spent three months with the American Bridge Company as steel detailer; eight months with the valuation department of the Baltimore and Ohio Railroad as a draftsman; five months with the H. Koppus Company, builders of bi-product gas and coke ovens. This was during the war in 1918. I then spent one and one-half years with the valuation department of the Pennsylvania Lines West of Pittsburgh; two and one-half years with the Chartiers Southern Railroad, a subsidiary of the Pennsylvania Lines West of Pittsburgh; five years with the United States Engineer Department on the improvement of the Ohio River in the construction of fifty-four locks and movable dams, with headquarters at Wheeling, W. Va., or Louisville, Ky.

"I was married in Wheeling, W. Va., in 1910 and my only child, a daughter (Martha), was born there in 1912. She is now fifteen years old and a freshman in the San Pedro High School. Well, to continue, from 1906 to 1909 I was a draftsman with the Baltimore City Topographical Survey at Baltimore, Md. Previous to that, from 1903 to 1906, I was a draftsman in the real estate department, Baltimore and Ohio Railroad, located at Baltimore, Md. From October, 1902, to July, 1903, I was assistant on engineering corps, Baltimore and Ohio Railroad, at Philadelphia. While in Philadelphia I was associated with Harold H. Fletcher, '02, and kept in close correspondence with him until his death in 1912."

A note from Robert J. King, dated in February, tells of a trip he and his wife made to Wilmington, Del., last winter. He found George B. Bradshaw, working as assistant to the general manager of the manufacturing division for intermediates and dyestuffs of du Pont's. Brad's address is 503 Concord Avenue, Wilmington, and he has four children, two of them twins. - Sam G. Porter was recently elected Vice-President of the Engineering Institute of Canada representing Zone A, which consists of the four western provinces of Canada. Mr. Porter is assistant manager, Department of Natural Resources, Canadian

Pacific Railway Company, Calgary, Alberta.

The following note from Howard Morse is not inserted on account of the commendation of your humble Secretary, but because we really wonder how many of our men read the Class news. We understand The Technology Review Office subscription records are not kept by classes, so that this information is not available, and we take this opportunity to urge a more general reading of The Review. "Congratulations on your page of Class news in The Technology Review of February. I wonder how many '03 men subscribe to The Review. If it is a fair percentage, such a page should stir up interest and more news. If subscription to The Review by our Class members is not

general it should be urged, for The Technology Review is an unusually interesting periodical, not only in the news of the Alumni Clubs and Class news, or in the account of student affairs, but in the world-wide influence of Technology graduates as set forth in The Review. My desk is flooded with all sorts of reports, periodicals, and so on, most of which find their way to the wastebasket, but I note that I always read The Review and in it find real news which the newspapers, the Literary Digest or the Review of Reviews have missed."

Here is another man's good intentions come to fruition as you will see. J. A. Cushman of 35 Harvard Street, Worcester, Mass., writes as follows: "Your circular letter of October 25 has been carried around with me on various trips in New England, waiting for a convenient opportunity for answering. This seems to be it. My oldest boy is in the midst of his second year in Worcester Tech, trying for a degree in Civil Engineering; my second is a girl now studying art at Worcester Art School; and the third is a boy, still in grammar school. That's all the family news. My job as a property agent for the New England Power System takes me into all the New England States except Maine, looking after property, claims, paying for rights-of-way, and clearing up title questions, all in connection with lands, water rights, transmission lines, and so on, needed in our system, which extends from White River Junction, Vt., to the Massachusetts-Connecticut line, and from the Massachusetts-New York line to Boston, and southeasterly into Rhode Island. It keeps me on the go a good part of the time. In all my travels I see hardly any Technology men outside of a few in the company. J. R. Bates and McMenimen came into our Worcester office a year or more ago, and I have tried twice to see Ruxton in going through Springfield, but have missed him both times. I hear more or less regularly from Morse in Indianapolis, and A. P. Rice with the Highway Commission. I had a good letter from Lenth, parts of which I'll forward if you don't hear direct from him. I am not daring to hope for the Twenty-Fifth Reunion - I came so near the Twentieth and then lost out.'

CHESTER S. ALDRICH, Secretary, 10 Beaufort Road, Jamaica Plain, Mass. GILBERT H. GLEASON, Assistant Secretary, 25 Huntington Avenue, Boston, Mass.

The inclusion of 1904 Class Notes in this issue of The Review is rather unexpected as the May issue has usually been the last issue for which the Secretary has been requested to furnish any material. The Editor has again requested that the notes be brief and the Secretary finds no

trouble in complying with his request.

The May issue contained a very small notice of the fact that Selskar Gunn had been appointed Vice-President of the Rockefeller Foundation in charge of the Foundation's European activities. There was published a picture of Gunn which, in the Secretary's opinion, was not recognizable as being that of our classmate. For this reason and because the item was very small, it is being repeated in the Class Notes where it may come to the attention of some who missed it in the May issue as did the Secretary.

Bill Evans is now interested in the General Air Filters Corporation, and has his office at 401 Military Park Building, Newark, N. J. — It is the sad duty of the Secretary to record the death of another of our classmates. Ralph E. Havens died March 27, 1927, in Florida after a brief attack of pneumonia following an operation for appendicitis. His burial was in Fulton, N. Y., the home of Mrs. Havens, by whom he was survived.

As these notes are written a considerable time in advance of the Technology Convention in New York and the coming Annual Reunion of the Class, any account of these functions will not be available until the fall issue of The Review. — The Secretary takes this added occasion to wish all his classmates a very happy and pleasant summer.

HENRY W. STEVENS, Secretary, 12 Garrison Street, Chestnut Hill, Mass. Amasa M. Holcombe, Assistant Secretary, 3305 18th Street, N. W., Washington, D. C.

Another classmate dropped in on your Secretary in Middletown when John Damon drove over from Cheshire, where he lives. John is with the American Brass Company at Waterbury, in electrical advisory work, and admits that he is too busy to read the Class notes although he receives The Review I wonder how many others!

he receives The Review. I wonder how many others!

Jim Barnes writes that: "The Class Boy is still at Harvard, living at 17 Dunster Hall, concentrating in American History and Litera-

ture and having just as much kick out of life in the American Hub as did his dad and classmates. He reports that several of the '05 men he met in Marion have taken the trouble to hunt him up or call him on the telephone in an endeavor to make life in the metropolitan district simpler and happier."

Bob Adams, earthwork contractor, whose present address is Auburn, Calif., wrote several months ago: "Just now my principal activity consists of an attempt to keep excavating machinery from entirely disappearing in the mud. California has been visited with one of its 'unusual' midwinter downpours, which has drenched the state from border to border, and left many localities under several feet of flood water. A few days of sunshine will make this only a memory, however, except for a bridge and a bit of highway to rebuild here and there.

"My recent work has been in the foothills of Nevada County, about 3,000 feet altitude. The Nevada Irrigation District has been spending seven and a half million dollars on a project which combines irrigation and water power development. My contract has covered thirty-five miles of canals of the distribution system, including a myriad of small structures such as bridges, flumes, wasteways and the like. The interesting feature has been the use of gasoline-driven excavating machinery exclusively; which has called for considerable ingenuity on the part of the operators to keep the machines from sliding off the steep mountainsides. These hillside canals had previously been constructed by hand methods; consequently they were very expensive. Our application of machinery caused considerable local interest for a time.

"I notice by The Technology Review that quite a number of classmates remain close to Boston and once again former Dean Burton is back at the Hub. It would seem quite natural to return to the old haunts under such a favorable combination of circumstances, and I hope to be favored with the opportunity one of these days."

And here is a bit from George Jones: "I have been corresponding with Charlie Dean lately in Denver. His company has recently undertaken the manufacture and sale of a bit for drilling oil wells on which I have been handling some of the patent work at Charlie's instigation. This bit has been tested in Texas, California and Wyoming and drills twice as fast as any other rotary bit, and Charlie is reported to be very busy installing new machinery to get on a quantity production basis as fast as possible, and is also beginning an advertising campaign. Charlie is Vice-President of The Stearns-Roger Company which manufactures mining machinery and other heavy equipment and also builds sugar mills and plants."

Louis Jackson is professor of industrial chemistry at the Rhode Island State College, Kingston, R. I. He writes: "After returning from eight months in France in the food and nutrition section of the Sanitary Corps, I came here in September, 1919. Besides Industrial Chemistry I teach at various times food analysis, water analysis, quantitative analysis, physical chemistry (theory and laboratory), and this year am starting a course in colloidal chemistry. We have a chapter of Phi Kappa Phi here of which I have been marshal and for the last two years Vice-President. I have one child, Helen, now twelve."

Grove Marcy recently addressed the Advertising Club of Boston on the subject, "The Directory as a Pinch Hitter." As is usual in such speeches, the title had nothing to do with what followed. — Raymond E. Bell, Inc., has opened a Chicago office at 26 East Huron Street, where all of the many services of the company will be available to his clients in the Middle West. — Ralph Patch was elected third Vice-President of the American Drug Manufacturers Association at the convention in New York in April. Ralph is President of the E. L. Patch Company, manufacturing pharmacists, Stoneham, Mass. — According to a late report Captain Robert S. Beard is stationed at Selfridge Field, Mt. Clemens, Mich., but we can't prove it. — Dez Schonthal is Secretary and Treasurer of the West Virginia Rail Company, manufacturers of steel rails, and so on, Huntington, W. Va. He has been with the company since 1909. — Lawrence Dean is district manager of the Gardner Governor Company, dealing with pumps, governors and compressors, Singer Building, New York.

Edwin S. Graham writes from Graham, Texas: "As to my activities during the twenty years since I left Technology, I have served as Mayor, Alderman, Secretary of the School Board and have been interested in the various moves for civic improvement that arise in all small country towns from time to time. I am now chairman of the Board of the First National Bank—going to prove I am no longer one of the young men of the community—on the Hospital Board and a member of the Board of Stewards of the Methodist Church.

Just an average citizen in an average town found in any one of a

thousand places in these United States.

"During these years I have styled myself (an '05 Miner) as a real estate agent and have dabbled in oil continually for the past fifteen years, saw them speed in the first well in Stephens County, the heart of the development during the 'Ranger Boom,' and have watched the development grow and grow until it has taken in almost all northern - thousands of square miles. It has been intensely interesting as it always is when men can become millionaires almost over night. Some are only millionaires on paper for a few weeks or months and others accumulate actual real material wealth and lose it almost as quickly for 'easy come, easy go' is a very true saying in almost every case. As for myself, I have lived comfortably, with plenty of time to play golf, read and do as I please. I believe I can continue to give my family all they need and can truthfully say that the Fates have dealt kindly with me. Of course, I envy the boys who have succeeded in the various lines they selected - mining, engineering, and so on - but I suppose there is an all-wise Providence that guides each of us into our particular niche for life and so, even though I envy them, I do not covet their places — only dream dreams and wonder what I might have been if . . ."

Mitchell Mackie writes from Waukesha, Wis.: "I stayed in electrical work until about 1908, then I switched to motor trucks and heavy duty motor transportation, including tractors and industrial work, and continued at this until I was ordered into active service in 1917. I spent a little over two years in France, went back to the heavy duty automotive field until about 1921, at which time I started doing consulting work and continued this until 1924, when I gave up my old transportation line completely and became Vice-President of the Federal Steel Sash Company, of which C. J. McIntosh, '03, is President. You may therefore tell any of the old bunch that I expect them to use nothing but Federal sash on any of their jobs. I am still married and still have five children and still claim the Class twins."

Your Secretary was in Boston on May 18, the day the Ritz-Carlton was opened to the public, and took advantage of the opportunity to see Sid Strickland's latest creation. It is a very unusual and very attractive hotel. We may well quote the advertisement: "Fittingly simple and dignified in architecture, its decorations and appointments

attain luxuriousness without ostentation."

We record with regret the passing of another classmate. Word has just been received of the death, on November 14, 1926, of Charles K. H. Bunting.

Roswell Davis, Secretary,
West Station, Middletown, Conn.
S. T. Strickland, Assistant Secretary,
20 Newbury Street, Boston, Mass.

Under the date of April 15, 1927, Sherman Chase wrote as follows: "A few weeks ago I spent a weekend in Cincinnati with H. W. Streeter, II. Streeter is sanitary engineer with the United States Public

Health Service and last summer represented the United States at an international meeting of sanitary engineers in England, held under the auspices of the League of Nations. The United States Public Health Service is about to publish Streeter's report on this meeting. While with Streeter, we took a drive out to a new suburban development called Mariemont, on the outskirts of Cincinnati. This is a very interesting development in which several different architects have planned groups of houses. One group of very attractive stone houses was designed by our classmate, Miss Manning. I received a letter yesterday from Allyn Taylor, II, stating that he had just been made Vice-President of the Consumers Gas Company of Reading, Penna. Taylor has been general manager of this company for the past two or three years." Incidentally, Chase has been admitted to the firm of Metcalf and Eddy, engineers, with offices in the Statler Building, Boston.

The Secretary met Abe Sherman on the street in Boston a few weeks ago. Abe seemed to be in his usual good health. He must be feeling even better now, however, because he writes as follows in response to our attempt to get some of the 'o6 people to attend Technology night at the Pops: "As you describe it, I think it should be a very interesting event, but I hardly see the necessity of having 'the ladies sit on the floor.' Will it not be possible between now and June 3 to arrange some chairs for them?"

On Friday, May 27, Charlie Kasson presented a paper upon the subject of "High Voltage Measurements on Cables and Insulators" at the Regional Convention of the A. I. E. E., Pittsfield, Mass. — A brief

notice has just been received of the death, on April 11, of John W. Merrow. Merrow was listed as an architect, at 1564 Broadway, New York

J. W. Kidder, Secretary, 8 Harrison Avenue, Boston, Mass. E. B. Rowe, Assistant Secretary, 11 Cushing Road, Wellesley, Mass.

By the time you are reading these notes the Twentieth Reunion of 1907 will be ancient history, but as I am writing these on May 24, when the Reunion is still in the future, nothing can be said definitely about it. In the next Review we'll have the whole story.

Some of you men who read this may not have sent back to the Secretary the statistics sheet sent you last May. Won't you do this coöperative bit of service right now, after you have answered the questions? We want our records regarding our classmates as complete as possible. From the statistics sheets that have been received now (May 24) we will give a few facts about some of the men whose names

have not appeared in Review notes for a long time.

Franklin O. Adams is practicing architecture with J. M. Hamilton as a partner under the name of Franklin O. Adams, architect. His office is 510½ Franklin Street, Tampa, Fla. He has been sticking to architectural work ever since 1907, and the offices which he has held in architectural societies in Florida indicate that he stands high in his profession. Married in 1914, he has a boy eleven years old and a girl of eight. He writes that outside of Earl Reed and J. G. Moore, he has seen no '07 men in the last twenty years! That's tough! We wish he could come to Boston and meet some of the crowd.

Harry Crohurst is sanitary engineer, U. S. Public Health Service, State Department of Health, Division of Sanitation, Minneapolis, Minn. Harry has a daughter aged seven, and a boy of five. — M. H. Eisenhart worked successfully and successively as chemist, assistant superintendent, and superintendent of Eastman Kodak Company from 1907 to 1917, then becoming production manager for Bausch and Lomb Optical Company in Rochester, N. Y. In 1925 he was made Vice-President and Assistant General Manager of this firm and still occupies this position. He married in 1914 Miss Elsa M. Bausch, and they have a daughter and two sons. Eisenhart wrote expressing his regret at his inability to get away to attend our Reunion.

As the unusual request has been made by The Review Editors to make these notes brief, we'll save the large supply of material we have

until the fall. Look for some extensive Class news then.

BRYANT NICHOLS, Secretary, 2 Rowe Street, Auburndale, Mass. HAROLD S. WONSON, Assistant Secretary, W. H. McElwain Company, Manchester, N. H.

The fourth bi-monthly dinner of the 1926-27 season was held in the Faculty Dining Room, Walker Memorial, on May 11. The following were present: Toot Ellis, Bert Carey, George Freethy, Alton Cook, Bill Booth, Gurney, Wattles, Mayo, Sewall, Joe Pope, and Carter. After the dinner, Joe Pope gave a very interesting talk on power plants, illustrated with some excellent photographs.

Bill Toppan writes as follows: "I have been out of touch with Class affairs for some time. I was married October 18, 1924, and now have one son, born November 23, 1925. Recently I was made superintend-

ent of the Cushnoc Paper Corporation, Augusta, Maine."

Oscar Iasigi, we understand, is now located down on the Cape experimenting with chicken raising. - Harry Bentley notifies us of change of address from 343 South Dearborn Street, Chicago, Ill., to 347 Woodland Road, Ravinia, Ill. — Scott MacNutt writes as follows from Paris: "The enclosed represents the chief fruit of my labors of recent months. On June 13 we are sailing for the States, so that I can take up my work on the staff of the Woodbury Summer Course ('The Art of Seeing') in Boston and Ogunquit, Maine. In the fall I shall be back in St. Louis again, where I expect to go on with portrait painting and a position as instructor in the St. Louis School of Fine Arts. An article on my work will appear in the New York Herald, Paris edition, about May 10. These things I mention as perhaps being of interest as Technology news. I enjoyed getting in touch with Canon Gibbs, as you suggested, but was, I am sorry to say, obliged to miss the luncheon to former Dean Burton. I am looking forward to seeing you some time after my return.'

The following letter from Ruth Maxwell is of interest: "A motion picture producing center is to be established here on this beautiful

farm. The pictures made here are to be educational, entertaining, best in quality, as well as non-sectarian and international in scope. Our plan is coöperative; your ideas and helpful thoughts as to the work are welcome. You are also welcome to inspect our beautiful grounds, the future home of this work. The enclosed booklet gives details of this work."

Lincoln Soule is now connected with Plumbing Service Company and Pluserco Water Heaters in the Studio Building, Davis Square, Somerville, Mass. We would like to get the correct addresses of the following, as mail addressed to the last address we have has been returned: Walter J. E. Barcus, Alexander H. Bradford, Leander M. Brown, Jr., Douglas Cairns, E. Southworth Church, Alexander M. Emerson, William C. Folsom, Charles N. Manning, Mateo Roco.

H. L. CARTER, Secretary, 185 Franklin Street, Boston, Mass.

,09

As your Secretary sits down to compose the Class Notes for the final issue of The Review this season, the question comes: "How can these Class Notes be made more effective, more interesting, more readable?"

This year for the first time 1909 notes have been published with every issue of The Review, instead of every other month as most of the classes do. I think this is a step forward. There must be other ways, too, for improvement. We have had one or two suggestions which will be tried out next year, and if any one has any thoughts along this line, the Secretary would be most gratified if that person would send them in.

Smut Nisbet of the firm of Nisbet and Griffin, Inc., surveyors and estimators, II Exchange Street, Portland, Maine, facetiously replies to our letter as follows: "Being in a charitable frame of mind, I have decided to try to comply with your recent stock request. However, I wish you would put out some better leads. New job? Yes, get one every day. Children? Have but one girl, nothing ever happens to her, but what she does to the neighbor's offspring keeps us moving from place to place. Been abroad? Yes, every night. Pullman smoker? Trying to give up.

"The stench of the New York subways (trust you don't believe that stuff about my creditors) drove me down East just before the war. I went on a fishing trip, and then to work for the Shipping Board. From 1921 to 1924 I helped John Ayer and others build the Maine State Pier in Portland. During this period I made up my mind to stay in Maine awhile, and when the Pier was completed, went into business for myself and am still there. We don't make any money, but we have a good time. We eat snowballs in the winter (nine months down here) and blueberries in the summer. It's a great life. If you don't believe it come down here and I'll prove it."

Elmo A. Robinson spent the spring of 1926 in graduate study at Harvard. After his return to California he became Director of the Northern California Committee of the American Civil Liberties Union with headquarters in San Francisco. During the month of July, he expects to conduct a party of hikers in the Mount Whitney region of the Sierras. His address is Box 719, Menlo Park, Calif. — George Gadsby has been elected President of the West Penn Power Company, the principal electrical subsidiary of the American Water Works and Electric Company, and one of the important electric light and power companies of the country. —On April 19, Joe White presented a paper before the Engineers Society of Western Pennsylvania on "The Engineer and Publicity," which was very well received.

Mollie Scharff writes, "On Saturday, April 2, occurred an important event in the history of 1909 in Pittsburgh, namely, the first local reunion of 1909 and his wife. An excellent dinner was served at the Hotel Schenley (which, by the way, is our local intercollegiate alumni hotel) with Mr. and Mrs. Tom Spooner, Mr. and Mrs. Harold Lang, Mr. and Mrs. George Gadsby, Mr. and Mrs. Joe White, Walter Laird, Carl Koppitz, Frank McClintock, Mrs. Scharff and myself in attendance. After dinner the whole crowd attended the performance of the moving picture 'It' at the Schenley Theatre just across the street, and enjoyed it greatly.

"The party, which was originally planned largely with the idea of creating some news for The Review, didn't produce very much news, but it did produce such an extraordinarily good time for all present that it was unanimously voted to hold other similar parties from time to time. One really important piece of news did come out, however, namely that Carl Koppitz had been married for a year or more, and that the absence of Mrs. Koppitz, which we all regretted greatly, was due to the fact that she had just returned from the hospital

where she had recently greeted the arrival of a young lady daughter. Carl left during the moving picture to catch a suburban train to his home in Greensburg, so I did not have the opportunity to secure from him complete details regarding his marriage and the date of birth of his daughter. These will be reported later.

"All present regretted also the absence of Mrs. Laird because of indisposition; and that Frank McClintock, who appears to be about the only bachelor left in our midst, had no Mrs. McClintock or sub-

stitute to present."

The New York crowd also had a Class luncheon on April 16, the last one of the season with the usual ones in attendance. Colonel Carter was down from West Point, and he wants the '09 men around New York to come up to West Point to a football game next fall as his guests.

David P. Marvin writes that he is giving up control of the Marine Journal of which he has been President and publisher, and that he now has a new job as a member of the General Coast Guard Court-Martial at the Navy Yard, Brooklyn. He was retired as an officer of that service some years ago, but has now been called back to active duty this way. In a few months he expects to go to the Coast Guard

Academy at New London, Conn., as an instructor.

A previous number of The Review reported that Carl Gram had left Boston, and is now associated with the Lancaster Iron Works, at Lancaster, Penna. In a letter to Paul Wiswall he says, "Apparently you are familiar with the country around Lancaster. I, too, have been down here many times in the last three or four years on work for the Badger Company, having driven down several times over the road, and I agree with you that it is very beautiful country around here, and I know I am going to enjoy it. The family is also looking forward to being here, although we haven't as yet located a house that will house the Gram bunch, and I haven't yet disposed of my property in Auburndale, although I am offering it at such a reduced price that I hope to hear most any day of its being sold. Being of German extraction myself, I, of course, enjoy the Pennsylvania Dutch flavor here to which you refer. Answering your question as to what I am planning to do here, I will state that I will be mixed up in about everything from managing or executive, down to the manufacturing end. I expect to be able to do more or less sales development and promotion work into new fields, on equipment which this concern is well adapted to make. I hope, of course, to be able to interest many Technology friends who buy equipment along the lines that we furnish. So, if you need any kind of a steel tank, or anything else made out of steel plate, for heaven's sake send it along, and tell everybody else that you know to do the same thing."

It seemed good the other day to hear from one of our members who for a considerable time has been living at Gardenvale, Quebec, Canada. J. N. Stephenson, who is editor of the Pulp and Paper Magazine, writes as follows: "I note from the last issue of The Review that some members of the Class of 1909 are still alive. To avoid the chance that some member may have thought he missed seeing my obituary I will give you a few notes. Since 1918, I have been engaged as editor-in-chief of the Five Volume series of textbooks entitled 'The Manufacture of Pulp and Paper,' published by the McGraw-Hill Book Company. This, of course, is in addition to my regular work as editor of the weekly Pulp and Paper Magazine of Canada. The Fifth Volume appeared late in 1925 and work was immediately begun on the revision of the Third Volume, which treats of the manufacture of pulp, since several important developments have taken place in this department of the industry. That work occupied all of last year, and the revised edition was issued last winter. We are now busy on the revision of Volume IV, which begins the treatment of the manufacture of paper. I expect the second edition of this volume to be published early in the fall, by which time we shall be busy with some necessary changes in Volume V, occasioned particularly by some radical developments in electric drives for paper machines. Up to January, 1927, the publishers have sold, in all, 14,512 copies. A large part of these sales were due to the rather successful activities of the Institute of Industrial Arts, of which I have the honor to be principal, and which has had a total enrollment, during its existence of less than five years, of over a thousand students. Practically all of these are employed in the paper industry and many of them are college graduates, several of them from Technology. There have naturally been many casualties, as might be expected with voluntary educational work under such circumstances as most mill employees have to face, but we have between three and four hundred active students, and more than forty graduates.'

With the exception of three years when he went to England to

plan, design and build a chemical plant for an English company, Frederick Jaeger has been associated most of the time since graduation with the copper refineries near New York City. Some of these refineries are: The American Smelting and Refining Company at Maurer, N. J.; The Nicholas Copper Company at Laurel Hill, N. Y.; and The United States Metals Refining Company at Carteret, N. J. Therefore, his work has been principally along chemical and metallurgical lines. A few weeks ago Jaeger left the copper refining business in New Jersey and accepted an appointment as chemist at the Naval Power Factory at Indian Head, Md.

Your Secretary wishes you all a most pleasant, enjoyable vacation. CHARLES R. MAIN, Secretary, 201 Devonshire Street, Boston, Mass. PAUL W. WISWALL, Assistant Secretary, Franklin Baker Building, Hoboken, N. J.

Curt Webb writes from Louisville to be sure to tell any of the boys who are down that way to look him up. At the time he wrote, every one in the town was looking forward to the Kentucky Derby on May 14. Curt sent his kind regards to the fellows.

We see by the Rhode Island Avenue Press of Washington that Kenneth Armstrong has been elected a member of the Citizens' Advisory Council. So, if you find Washington is being run better the next time you visit it, you'll know it's Ken's doing. - Dick Fernandez ran into Bill Schofield in New Haven the other day and had a long chat before they discovered each other's identity. Bill is sales

engineer for the Northern Industrial Chemical Company in Boston. Philip Laurson sent the following newsy letter: "The Easter vacation gives me enough leisure to contribute a little to the Class news. What I have to say is about classmates rather than about myself. I do not remember that the death of Chester Dunlop has been mentioned. More than a year ago Chester left the Kolynos Company in New Haven and became assistant manager of the Peter Kohler Chocolate Company, Fulton, N. Y. Only a month or so later he contracted pneumonia and failed to recover. His many friends in the Technology Club of New Haven County are deeply grieved by his death.

"The rest of my news concerns classmates whom I have seen or heard of recently. A. B. Merry, I, lives in Glenbrook, Conn., and announced the arrival of a son on July 5, 1926. He is with the Dwight P. Robinson Company in New York. W. K. Brownell is also with the same company. I saw both Merry and Brownell in their offices some time ago. Once in a while I see Floyd Pitcher who lives in New Haven. He is assistant engineer of bridges with the New York, New Haven and Hartford Railroad. I have noticed a steady upward trend of New

Haven stock since he has been in that position. "Ralph A. Smead, I, recently applied for membership in the American Society of Civil Engineers. I have recently had the pleasure of looking over his new book on concrete design. As you all know, he is on the Civil Engineering faculty at the Institute. So is Tack Babcock, who is also Secretary of the Boston Society of Civil Engineers, as I observe in their publication. Dick Taylor, X, is a chemist with the United States Rubber Company in their New Haven laboratories. We see each other whenever the local Technology Club

has a meeting.
"I am still at Yale as Associate Professor of Engineering Mechanics. I like the work, being particularly fond of the vacations. There are several Technology men on the Yale faculty, but no classmates. Let me hope that other members of the illustrious Class of 1910 will tell us about themselves and other classmates."

DUDLEY CLAPP, Secretary, 16 Martin Street, Cambridge, Mass. R. O. FERNANDEZ, Assistant Secretary, 264 West Emerson Street, Melrose, Mass.

Well, classmates, here we are, my typewriter (neuter) and I, composing in late May these notes for the final issue of Volume XXIX of The Review, and by the time the magazine appears the 1927 Convention of the Technology Clubs Associated - details elsewhere in this issue will have passed into history and with it the New York get-together of '11-ers. Don Stevens, Pete White and Bill Orchard, with Ye Secretary as member-at-large (in fact larger than ever, said Don in his advance publicity), will have engineered the 1911 party, with its special insignia, noise-making apparatus and the like on the general boat trip up the Hudson, Friday evening, June 10; "afternoon tea"

in a special suite at the Waldorf the following afternoon; and the seating of the Class in a body at the banquet that evening, with Pete

White as moving spirit, or spirit mover, as you will.

During late April and early May, in connection with attending the 1927 Convention of the Association of Alumni Secretáries, held at the University of North Carolina, I visited the local Technology Clubs in the Central Atlantic States - six in all - and in all the cities save Pittsburgh, I had delightful renewals of friendship with classmates. In Philadelphia, I saw Harry Hess, IV, who is successfully following his chosen profession of structural engineer. At present most of his work is in the line of factory additions. In Baltimore, Ralph Vining, III, now in the research laboratory of the Baltimore Tube Company, came to the dinner and we had a fine chat. Bancroft Hill, I, President of the Baltimore Harbor Board, had hoped to be at the dinner, but at the last minute found he was called out of town for the week-end, and I was unable to get in touch with Harry Waterfall, II, on the mechanical engineering faculty of Johns Hopkins University, even though I had left a message with his secretary to call me after the class which he had at the moment I called.

In Washington I had a great renewal of acquaintance with Pete Gaillard, VI, who now operates from 402 Hill Building as "D. P. Gaillard, Investments," and finds things very much to his liking. I also enjoyed seeing Alec Yearance, I, at the Technology luncheon. He is now handling real estate investments for the Prudential Company, centering at Washington, I missed M. R. Thompson, XIV, who is at the Bureau of Standards. In Richmond, Don Frazier, II, and his wife were "mine hosts" during my stay and a great reminiscing party was sure in order. Don is the Secretary of the local alumni group there and is doing mighty well in insurance, as agent for the American

Mutual Liability Insurance Company.

In Harrisburg I again saw Hall Sargent, II, who is now handling Overland and Willys-Knight cars at Lemoyne, Penna., just across the river from the Capital City. At the evening meeting of the Technology Club of Central Pennsylvania, Hall was elected President for the ensuing year. In Pittsburgh the fates were against me, for as luck would have it Don Bakewell, II, President of the Duquesne Steel Foundry, Bunny Wilson, XIV, general superintendent of the Aluminum Company of America, and Rufe Zimmerman, IX, assistant to the Vice-President of the American Sheet and Tin Plate Company, were all out of town when I reached the Smoky City.

Returning to New York, I attended a 1911 party, sponsored by Bill Orchard at his home golf club at Maplewood, N. J., which, despite a wretched, rainy day, was a big success and proved a worthy forerunner of the bigger Class get-together on June 10 and 11. During the rainy afternoon, Orchard, Don Stevens, Pete White, Dick Gould and the writer gathered at a table around a cheery open fire and indulged in the great American indoor game - results were entirely satisfactory as far as I was concerned. Later we were joined by Walter Welch, John Romer and Royal Barton, and shortly after five, the rain having let up, we went out on the links and in two foursomes played erratic but withal interesting golf, the honor of Erin being notably upheld. Then we sat down to a fine chicken dinner, during which L. P. Ferris phoned to say that only a bad cold kept him away. We settled details of the June party and broke up about ten, and Pete White drove Welch and me to Jersey City at breakneck speed (characteristic) so that I caught the Owl to Boston.

On All Fools' Day we held a Class dinner at Walker Memorial, and as announced in the May issue instead of the usual bowling matches after dinner we adjourned to the Cambridge Armory, across Massachusetts Avenue from Technology, and enjoyed the 1927 Undergraduate Circus. Those present were: Walter Arthur, V; Suren Bogdasarian, IV; Oberlin Clark, II; Marshall Comstock, VI; Art Coupal, II; Lester Cushman, IV; Dennie, VI; Cal Eldred, VI; Ned Hall, II; Jack Herlihy, II; Hal Jenks, VI; Art Leary, XI; Charlie Linehan, I; Bob Morse, VI; Ted Parker, I; O. W. Stewart, I; Ted Van Tassel, X; and Emmons Whitcomb, X. We have now scheduled the final 1911 dinner here in Boston for the evening of June 1.

It is a pleasure to learn from Railway Age of May 7, that Paul Pearson, II, for many years in the employ of the Boston and Maine, with headquarters at Concord, N. H., has been appointed assistant to the passenger traffic manager with headquarters at East Cambridge, Mass. About a year ago Paul was selected to "assist the passenger traffic manager in an intensive survey of passenger service which resulted in the general speeding up of trains, elimination of local stops, the coördination of rail and motor coach service and the inauguration of the new limited trains placed in service on the Boston and Maine."

Our old friend, Monk de Florez, II, dropped in to say "hello" in mid-May and he reports that he is at present operating to good advantage as a consulting and sales engineer on oil burner installations, with an office at 2 Rector Street, New York. Vic Willis, I, has come east from Long Beach, Calif., and is now in the New York office of Dwight P. Robinson and Company, while Erv Young, I, is now with Deslaruiers Column Mould Company in Gotham.

Cap Besse, II, has left Easton, Penna., and is now with Peter Cailler Kohler Swiss Chocolate Company at Fulton, N. Y., while Bob Wood, VIII, has left Gotham and is now with National Aniline and Chemical Company in Buffalo. Bill Salisbury, II, has left Cleveland, and may now be reached at 651 Wallace Street, Birmingham, Mich. Henry Dolliver, I, in sending in regrets for our recent Class dinner reports that he is at present in Millville, N. J., until August in the interests of Jackson and Moreland, engineers, Boston. Erv Young, I, writes in that he met Gardner George, I, at the annual meeting of the A. S. C. E. in New York this year and reports that George is chief designing engineer with the Power Corporation of New York and Northern New York Utilities, Inc., with headquarters at Watertown, N. Y. In the new "Hydro-Electric Handbook," recently issued by John Wiley and Sons, we find George as one of eleven contributing editors.

In a recent issue of the *Electrical World* appears an article by Max Kushlan, VI, entitled "Graphic Solution of Motor Circuits," which, in the words of the author, is "a short method of determining the current taken by motors for varying conditions of loading and power factor by the use of a chart based on motor circuit formulas and tables."

In thus bringing to a close the 1911 notes for Volume XXIX of The Review your Secretary would once again urge classmates to continue the hearty coöperation which now exists in the Class for the dissemination of news regarding one another. Always remember the Class slogan: Write to Dennie.

ORVILLE B. DENISON, Secretary, Room 3-207, M. I. T., Cambridge, Mass. John A. Herlihy, Assistant Secretary, 588 Riverside Avenue, Medford, Mass.

It is with a great deal of regret that the Fifteenth Year Reunion Committee has finally decided to give up the contemplated program at Plymouth as the acceptances were too few to warrant our going ahead. The hotel management would not consider opening the house for less than a guarantee of fifty, which we obviously could not make. A great many

guarantee of fifty, which we obviously could not make. A great many fellows expressed regret for not being able to come on, and the committee hopes that everybody will now start making plans for the Twentieth Year Reunion in 1932 so that we may have a full turnout.

Vincent Gallagher, who is now Secretary of the Continental Insurance Company, announces the birth of a son, Thomas Newton Gallagher. — Todd Greenleaf, of the Greenleaf Construction Company, Rockland, Ill., announces the birth of a son, Robert Greenleaf. Todd also has a girl seven years old.

Your Secretary had the pleasure of spending a very pleasant evening with Henry Babcock at his home in Evanston recently. It was a great pleasure to talk over old times with Bab and also to meet his wife and four charming daughters. The following night your Secretary spent the evening with John Hargraves in Cincinnati and there had the pleasure of meeting Mrs. Hargraves, and John's three daughters.

A letter from C. B. Davis states that he is now located in Hazelton, Penna., as superintendent of buildings of the Lehigh Telephone Company. Besides purchasing all supplies and equipment, he takes care of maintenance and repairs to buildings, and also has the supervision of all motor vehicles. It sounds like rather a busy life. — Seth E. Seelye is now located at 50 Locust Hill Avenue, Yonkers, N. Y.

Frederick J. Shepard, Jr., Secretary, 125 Walnut Street, Watertown, Mass. D. J. McGrath, Assistant Secretary, 10th Avenue and 36th Street, New York, N. Y.

It seemed that when Captain Lindbergh flew alone across the Atlantic wonders must cease, but here are the Editors of this Review actually asking the Secretaries to be as economical with Class Notes as is feasible. After the showing made by this scribe this year you can't blame them for the request, even though he has submitted everything that has come to his attention, direct or otherwise. That is with one exception, for on reviewing the files we find a bit of good news about Andy Vogel, IV, which did not get into our last issue. Here it is:

"Andrew Vogel, engineer in the plant department, General Electric, Schenectady, was one of the individuals to receive a Charles A. Coffin Foundation Award, March 4. Mr. Vogel received this award for his work in designing a highly efficient low head room crane which utilizes electric motors and which is being widely adopted by crane manufacturers. The awards are given in recognition of outstanding service toward the increase of the company's efficiency or progress in the electrical art. Each certificate of merit was accompanied by four shares of General Electric common stock.

"The Charles A. Coffin Foundation was founded by the General Electric Company in 1922 in recognition of the services to the electrical industry of the late Charles A. Coffin, first President of the company. The awards of the foundation include, in addition to those to General Electric employees, yearly prizes in the electrical railway and power fields and a number of annual fellowships in American colleges."

It really is a shame the Editors had to put on the soft pedal, for we have some real contributions from one of our few co-eds. Frances Stern, V, whom, it will be recalled, was associated very closely with Mrs. Richards, sent us a few of the publications she has been responsible for, or has helped prepare in connection with her work as chief of the Food Clinic at the Boston Dispensary. We are unable to include them in our notes, but they are very interesting and instructive. Since our classmate was graduated from Technology she has continued her work in public health lines, including personal hygiene and nutrition, and in the latter fields has been carrying out the ideals of Mrs. Richards and Professor Sedgewick with notable success.

Recently Mrs. Peck and I visited with Albert Nelson, II, and his wife, and learned about Nel's new business. He has formed the Nelson Cement Block Company of East Braintree and is now engaged in erecting a plant where cement blocks for cellar walls and the like will be made. For many years Nel has been plant engineer at the large refinery of the Cities Service Company in Braintree, and judging from the splendid presentations made to him at the time of his departure, he was considered a valuable and popular man at the plant. We all wish him the best of success in his new business and no doubt our wishes will be granted.

Ken Hamilton, II, Dave Stern, V, and Phil Capen, X, have been recent callers at the office. Ken is still keeping the George E. Keith Company of Brockton in line to make fine shoes; Dave is busy with his National Can Company in Boston; and although Phil does not say much about it, he is the real politician of Canton. — Word has been received from round about channels that Jack Farwell is on his way home from France for a visit, but he has not personally favored us with any call as yet.

Former Vice-President Marshall once said that what this country needed most was a "good five-cent cigar." Had he been speaking more particularly about our Class he would have said "a new secretary." You know I did not want this job in the first place, because I know there are better men in the Class for it, and I only took it to help Fred Murdock out of his troubles. For two years now I have tried to make news and it is time that you had relief from my hash and received the fruits of a real scribe. Therefore, nominations are in order. The theory has been that a man in or about Boston should be the Secretary, but personally I do not see any particular advantage in that and feel that we should get a real good man regardless of his geographical location. During the early summer I am going to send out bills for Class dues and at the same time will submit ballots for your vote on a new Secretary. So hasten along with your nominations. A good vacation to you all.

HARRY D. PECK, Secretary, 99 State Street, Boston, Mass. G. P. CAPEN, Assistant Secretary, 25 Beaumont Street, Canton, Mass.

Today is only May 22, and it is Sunday! By what holy edict must the Class Notes for the final issue of the year be written three weeks before Class Reunions? None other than the inexorable command of The Review Editors themselves. Excuse? Publication schedule to be maintained. Bet it is all bluff, so that the Editors can take a longer vacation. Anyway, in spite of the day, your Secretary feels about as holy as Elmer Gantry's friend, Jim Lefferts. But withal The Review Editors are pretty good fellows and are not nearly as much to be blamed for this unholy outburst as is the nice blossoming carbuncle on the back of your Secretary's neck. Still, the doctor reports that, with good luck, your Secretary will be on hand at the New York Reunion.

As you have received a letter telling about the Reunion plans it

will only be a waste of space to make further mention of them here. A full report will, however, be included with our November notes.

Two Boston luncheons have been held since the last report, one on April 5 and one on May 3. At the first luncheon we had a most inspiring and interesting talk on the subject of aviation by our own Dinney Chatfield. Ahern, Stump, Petts, H. S. Wilkins, Chatfield, Fales, Crocker, MacKenzie, Morrison, Blakely, Harper, and Richmond answered the roll call. At the second meeting plans for the approaching Reunion were discussed. There were present Tallman, Crocker, Fales, H. S. Wilkins, Ahern, Harper and Richmond.

At the May luncheon we learned with great regret that Harper was leaving Boston. He is returning to Chicago where he has opportunity for greater activities in his chosen profession of architecture. Best of luck to you, Harper! — In the last issue of The Review we noted that Jimmy Judge has been seen in Boston several times recently and had reported securing some quite satisfactory orders for his paper mill in Holyoke. On one of these trips Jimmy was too saving on taxi fares and blistered his heel. The blister turned to an infection and Jimmy spent two uncomfortable weeks confined to his house.

Speaking of vacations, how is this? "Will go to Carlsbad for a month, then will spend next three months in Germany, France, Switzerland and England." This from Frank Somerby. Who says teaching school is not an enjoyable vacation? — Phil Currier has just about completed his South American trip of nearly a year and is due back in Schenectady just about as these notes appear. — L. W. Burnham, officially known as Captain U. S. M. C., is Assistant Chief of Staff, Gendarmerie D'Haiti, at Port Au Prince, Haiti. Burnham writes a very entertaining letter, but in order not to make his remarks official they will have to go unpublished. In brief, any Fourteener desiring a real winter vacation next year is most cordially invited to visit Burnham at Port Au Prince.

Art Stubbs is still sticking to the financial field, but has moved his zone of influence to Detroit, where he is with the Guardian Trust Company on work concerning the development of new security issues. — Fourteen still continues to gather fame in the educational field. This time it is H. S. Busby, who has been appointed Director of the Textile School of Georgia School of Technology at Atlanta. — Dinney Chatfield plans to join the European pilgrimage this summer and sails from Quebec on June 15. We cannot understand the Quebec sailing point unless it is that Dinney cannot wait to reach the twelve-mile limit. Who ever would have guessed this of Dinney? Oh, it just cannot be true!

Chet Corney has moved along another peg. A recent issue of the Electrical World carried the following announcement of Chet's advancement: "Chester A. Corney, who has been affiliated with the electrical engineering department of the Edison Electric Illuminating Company of Boston since the summer of 1922, has been appointed assistant superintendent of that department. Early in his career he was associated with Stone and Webster, engaging in construction work in connection with the building of several new substations for the Boston Elevated Railway Company, later being transferred to the Boston office to do some drafting and designing. From 1916 to 1922 he was in the electrical engineering department, devoting his attention to engineering and design work for numerous electric light and power systems in various parts of the country. Mr. Corney entered the employ of the Edison Company in August, 1922, as an engineer in the engineering division of the electrical engineering department and in February, 1923, was appointed to head this division. He is a member of the A. I. É. E. and takes an active interest in its various committees and those of the N. E. L. A."

A pleasant vacation to all! And then please drop your Secretary a line telling about it.

H. B. RICHMOND, Secretary, 100 Gray Street, Arlington, Mass. G. K. Perley, Assistant Secretary, 21 Vista Way, Port Washington, Long Island, N. Y.

A letter a month will assure some good Class news for our column. I can't designate a man to write each month, and if each man waits or defers writing, we soon will have no column. Just write a letter or a note with the feeling that perhaps you are the only one doing it, rather than not to write, with the feeling that some one else will send in something this month.

An example of what this means, and how much it will help with our Class news, is the splendid spirit of Vic Willis, III, in writing the following extremely interesting and enjoyable letter from the Technology

Club in New York: "I picked up the current issue of The Review after dinner this evening, and see by it that you are now the Class Secretary. I have always felt that I owed you a lift, because of the business at Corning which I didn't get for you, so will try and repay the debt in part by helping you fill the column. At that, however, I haven't a great deal to write about. I am still with Corning Glass, and traveling about 30,000 miles per year, which doesn't set any too well with friend wife, but then we must eat, and those three youngsters of ours wear out shoes at an alarming rate. My travels take me pretty much all over, but at that, I have run into very few '15 men. I see Enebuske and Pisa quite often at the Club here, and drop in on Purinton at Waterbury occasionally. Otto Hilbert is still at Corning.

"The only really interesting experience which I have had recently was a trip I took this past winter up into northern Manitoba, looking up some raw materials for Winnipeg by rail and team. It was colder than blue blazes and the venison diet was tiresome, but at that, it was a great trip. That is a wonderful country, and one that is going to be heard from as soon as transportation facilities are improved. Manitoba has about half the total hydro power in the whole Dominion of Canada, and gold, silver, copper, lead and zinc in unknown but very large quantities. There are also large beds of fire clay and a bunch of important non-metallic minerals which will be mighty valuable some day. Right now, the country is all scrub timber and the wolves howl around the cabins o'nights. That last is no josh either. I saw two timbers pull down a deer within a mile of camp, and every night when the dogs started to tune up you could hear the wolves answer from all directions.

"I expect to be in Boston the latter part of this week, and will try to reach you by phone while there. Next week I go out to Wichita, Kansas, and then back into Canada again, and my wife tells me how she envies me. Can you beat it?"

Never mind, Vic, about that paper contract I did not get from your company. You did your best for me, and after all, purchasing agents are purchasing agents. Your letter more than makes up for that. You surely are a good customer for the railroads. I move around a lot myself and hope I can pick you up soon in New York.

Hy Waterhouse, who took Course V, I think, with some special work with Dr. Gill, is now in charge of the testing laboratory at City Hall, Boston, for the Public Works Department. He has three children, and is just as bright and cheerful as ever. He would like to hear from Alan Abrams. — Good old Jim Tobey. I enjoyed an interesting visit with him at his office with The Borden Company at 250 Madison Avenue, New York. Jim is scientific consultant for this company, and the various health and dairy officials. Jim received an LL.B. from the Washington Law School in Washington, D. C., since his army discharge. He is now a major in the Sanitary Corps Reserve. He has published several books on public health and its allied subjects, notable among which are his masterpieces, "The National Government and Public Health," and "Public Health Law," both published by the Johns Hopkins Press, Baltimore, Md. The latter book is used as a text book at Technology, Columbia and Yale.

We all know or hear about the few outstanding achievements of our classmates, but there must be a number more of the fellows engaged in some valuable service, of whom we hear nothing. Among your classmates it will not be vanity to write in about other men and their successes or achievements, even as I have done in the column.

Keep on looking forward to 1930 for the Fifteenth Reunion.

AZEL W. MACK, Secretary,

377 Marlboro Street, Boston, Mass.

No notes have been received by The Review Editors from the Secretaries of this Class for inclusion in the July issue. The Secretary received the usual notification that copy was due, accompanied by such news as had been compiled in The Review Office. Members of the Class having news or inquiries should address them to Russell H. White, Secretary, 118 Federal Street, Boston, Mass., or to Charles W. Loomis, Assistant Secretary, 7338 Woodward Avenue, Detroit, Mich.

Curiously, The Review will not revise its publication schedule because of the 1917 Reunion. News for this issue was required on May 25, which is unfortunate, for there will be no news until the Reunion starts. So, all we can do now is remind you of the next real issue way in the fall and insert the following letters.

H. P. Eddy, Jr., enclosing a notice of the partnership of Tom Lebby with John A. Steel, Jr., the company to be known as Steel and Lebby,

engineers and constructors, and located in Knoxville, Tenn., wrote as follows: "I just ran across the enclosed professional card of Tom Lebby in the Manufacturers Record. So far as I know, The Review has not announced the formation of Steel and Lebby, my last information being that Tom was in partnership with the son of Senator John Sharpe Williams."

From Horace M. Baxter we have the following: "If I had known that your anonymous assistant would pillory every one who failed to come across, as he did in the April number of The Technology Review, I might have been able to dig up \$2.00 somewhere. It was not lack of interest, as he seems to have assumed, but merely a desire to avoid receiving continual reminders of the sad fact that I probably will be

unable to attend, that led me to write as I did.

"The Class might be interested to know that after serving as a buck in the 321st F. A. during the late war, I took a short scientific course at the Sorbonne, and on my return resumed my work at the Patent Office, where I am now an Associate Examiner. In the meantime, I have graduated from George Washington University Law School, and have been admitted to the Bar in the District of Columbia. I am married to Janet Ransome, daughter of Dr. Frederick Leslie Ransome of the National Academy of Sciences. We have two boys, the elder, Lincoln, being nearly three years old, and the younger, Donald Leslie, exactly five days. My present hobbies are motor boating and fancy fish (not the kind you eat, the kind you keep to look at). Last summer, with the family, I put in my vacation cruising the waters of the Potomac and Chesapeake, living all the time on my boat, a thirty-foot cabin cruiser. I am a member of the Corinthian Yacht Club of Washington."

Linwood I. Noyes wrote the following letter: "I have just read the last Review with interest, and yet am somewhat mystified over the frequent mention of \$2.00. There is a reference to the 'last notice' and then discourse which would lead one to believe that Brick is up to the dirty trick of raising money. I do not remember getting any notice which hit me for two bucks, and that's peculiar too, for no one ever passes me up when they are hitting for ready cash. Anyway, it must all go for some good purpose and I enclose my check for two smackers. Tell Brick more power to him, and send the notice asking for it later.

"It has been a mighty long time since I have written you and you have probably been entirely out of touch with my present status. I have been in the newspaper and publishing business now since the fall of 1919. We, the Noyeses, now control in the great states of Michigan and Wisconsin, two daily newspapers, and two commercial printing plants with a ruling and binding plant in connection and an office supply and equipment store. Business is and has been fine, and newspaper publishing suits me to a T. You knew that I was married in 1920 and that Margory Helen was born in 1921, because you carried those announcements in the '17 news. Frank William was born August 1, 1926.

"I hear but little directly from the old gang and so cannot pass much news on from any of the others. I am in Chicago, however, every month or two and would like to see any of the gang that are anywhere near there. What little of the Reunion that I have heard sounds fine. I certainly would like to make it. I cannot advise at present whether or not I'll be there, but you may be assured that if it is at all possible I will blow in for the fun. I enjoy reading the very fine letters you compile for The Review and always look forward to seeing them. Please give my best regards to any and all whom you may see and let me know what part of the great suffering humanity my \$2.00 has gone towards saving.'

RAYMOND S. STEVENS, Secretary, 30 Charles River Road, Cambridge, Mass.

This is the final appearance of Class news until next fall, and again The Review Editors caution us concerning brevity. Since January several of the Class have changed their addresses. Bill Turner is now with the Nickel Plate Railroad, 607 People's Saving and Trust Building, Akron, Ohio. He evidently decided to give up the fishing and hunting in Colorado. Also, the Nickel Plate Railroad is evidently having success in obtaining good college men.

Ed Gore has been in New Jersey with the Dixon Crucible Company since October, 1923. He writes from 103 Orchard Street, Bloomfield, N. J., as follows: "During this time I have been able to accumulate a wife, Miss Thelma Moffette, of Winchester, Mass., and a daughter Anita, now aged eighteen months, full of much pep and little else. I often think that there must be Technology men around these parts, but I never seem to meet any, much as I would like to. If you hear of any who want to learn how good pencils are made, send them around."

Harold Fitch was in Boston a few days ago. He is as interested as ever in the railroad business. The New York, New Haven and Hartford keeps him busy as assistant engineer. His work includes a great deal of economic research in addition to the regular operation of the mechanical department. - Howard B. Allen has been assistant superintendent of the Metropolitan Edison Company, Lebanon, Penna., since October, 1925. He lives at 19 Chestnut Street.

Alexander W. Caird has changed to 1112 Real Estate Trust Building, Philadelphia, but I know not what he is doing. - As far as I know William J. Clarke is still efficiency superintendent at the Boston Woven Hose and Rubber Company. - Russell B. McCann has gone to 801 Roosevelt Avenue, Rome, N. Y. — I am wondering how Ed McNally is making out in his new venture. — Ralph G. Mahony is now helping erect various kinds of buildings by selling Atlantic Gypsum products in the Boston district. - Don Merrill tells me that he is on the crest of the wave after a period of being under the weather, and is now quite ready to "step on the gas."

Every once in a while I get some interesting bits from Alan Miller in Brookline Village. He is a Course VII man who has gone into advertising work and likes it. He deals in greeting cards and is with the Bromfield Publisher. - Art Windle has become plant manager for the H. O. Wilbur and Sons, Inc., Philadelphia, a chocolate concern. He was formerly with the Corning Glass Works. He will now live at 431 West Sedgwick Street, Philadelphia. Art tells me that Harold Miller has been down south for his health and intends to take a trip to Cuba. Karl Ford is now at 55 North Ninth Avenue, Mount Vernon, N. Y.

Please note that I have mentioned several men above without telling of their latest business connections. Will those men please drop

me a line giving this information?

You will all be pleased to know that Major Smith is removing the stones from the lower section of the Great Court and will have grass growing there by graduation day. We will soon be starting the new dormitories, too.

John McCausland just dropped in to see me. He tells me that he is with the Griscon-Russell Company in Chicago, designing and selling heat transfer apparatus such as evaporators, coolers and heaters, for public utilities and refineries. John lives at 533 Hazel Avenue, Glenco, Ill., with his mother. He belongs to the 1918 single men's club. Bill Turner spent a short time with John while en route from Denver to his new post in Akron with the Nickel Plate.

I will recapitulate this year's notes by saying that if twice as many of you correspond next year, we will have some good notes.

RAYMOND P. MILLER, Secretary, Moore and Summers, 87 Milk Street, Boston, Mass.

Your Secretary and The Review Editors are ready to publish any and every communication received. Unfortunately your Secretary is not gifted with a supernatural imagination whereby he can make words out of nothing and fill the alloted space in The Review without your assistance. He has thought of turning to Marjorie to find out by a seance what some of you are thinking and doing, but that might be disastrous. There are still a few loyal Nineteeners who are interested in Class affairs as indicated by their response to Class notices. Nuf said.

On April 27 the star bowlers of the Class around Boston, consisting of Blake, Coyne, Goodridge, Gould, Kimball, Kenison and Richards (a few of the super-stars were missing) gathered at Walker for dinner and an evening of bowling. They are now ready to challenge all comers

in the light or heavy-weight class.

The following notice appeared in the Boston Evening Transcript recently: "Plans have been made for the marriage in Montclair, N. J., of Miss Helen Folwell, daughter of Mr. and Mrs. A. Prescott Folwell of Montclair, to Frederick Rasmussen of Quincy, Mass., which will take place June 11."

Bunny Maynard now has another reason for staying home nights in

the arrival of a son, Loring, on May 19.

PAUL F. SWASEY, Secretary, 99 Washington Street, East Milton, Mass.

No notes have been received by The Review Editors from the Secretary of this Class for inclusion in the July issue. The Secretary received the usual notification that copy was due, accompanied by such news as had been compiled in The Review Office. Members of the Class having news or inquiries should address them to Harold Bugbee, Secretary, 9 Chandler Road, West Medford, Mass.

Just two letters as a prefix to a word converts freedom to restricted attention. In the April issue the printer played us a prank by omitting "un" from the word married and the party in question was John M. Sher-

man, X, 16 Myrtle Street, Belmont, Mass. John is unmarried and writes: "I have not yet been deluged with phone calls asking who is the lucky girl, but to avoid such an occurrence, I would like to have it stated in the earliest issue of The Review, that I am most emphatically not married, and am still eligible. (Keep in line, girls, and don't push.)"

May this announcement stand for only a short time.

Richmond S. Clark, X, X-A, and Miss Mary Louise Heyne were married on May 27, at the First Methodist Church, Houston, Texas. Rich is with the Humble Oil and Refining Company in Texas. — On April 5 of this year Lieut. Louis L. Lesser and Miss Marguerite Mary Vizner were married at Camp Stotsenburg, Philippine Islands. — Philip R. Payson, II, of 10 High Street, Boston, says the main news he has is that they have a daughter named Beverly, born August 13, 1926. Phil is still selling ball bearings for the S. K. F. Industries and claims to be sober most of the time.

Richard W. Smith, XII, State Geological Survey, Atlanta, Ga., sent in an announcement he received telling of the arrival of James Rowland Cudworth, Jr. (with red hair and weighing nine pounds) at the home of Jim Cudworth, XII. Jim is Professor of Mining and Ore Dressing and Acting Director of the School of Mines, University of Alabama, Tuscaloosa. Dick spent this past winter testing Georgia clay samples which he collected the summer before, and is now out

collecting more samples for text next winter.

Neither Scripps Booth's modesty or his boss will permit us to go under the impression that he is manager of bulk sales as appeared some time ago. Instead, Scripps is in charge of developing the lubricating business of the Cities Service Refining Company, with headquarters in Boston. He says, "You might tell the world I have moved from Swampscott to Newton and am still happily married. Don Lovis, XV,

married my wife's sister."

Herman LeM. Schmidt, XV, is merchandise manager of the home furnishing division of Lord and Taylor, 424 Fifth Avenue, New York. A year ago this past spring Herm built a home at Scarborough-on-Hudson where he lives with Mrs. Schmidt and young LeMont. Scarborough is between Ossining and Tarrytown on the Hudson River and in plain view of the Palisades. Herm says he would be glad to help any Twenty-One-er to completely furnish their home in a tasteful and

satisfactory manner.

Frank B. Kittredge, I, wrote a note which can be briefed by saying he is chief engineer for the Duquesne Slag Products Company, 808 Diamond Bank Building, Pittsburgh, Penna. Frank says he sees Mich Bawden when he comes through Pittsburgh selling folding machines, and occasionally Art Skilling, I, (with Morris Knowles), and Art Turner, I, (with Harbison Walker Refractories). Frank was married ages ago. — Chesterton S. Knight, I, is with George Knight and Company, Brockton, Mass., a concern which manufactures special shoe machinery. Chuck was married in October, 1923, to Miss Marion E. Place of Providence, R. I. Chesterton, Jr., is now a little over a year and a half old. Chuck says he saw Willard H. Ray, I, last summer in Brockton when he was going through on business for the Tidewater Oil Company.

Charles A. Morss, Jr., XV, joined the Wright Aëronautical Corporation in May, 1926, and has been working in the factory at Paterson, N. J., building airplane motors for the United States Government and commercial use. In April, 1924, Miss Sylvia E. Brown and he were married and they now have a daughter about a year and a half old.—V. O. Homerberg, X, Room 1–314, M. I. T., Cambridge, has been promoted to Assistant Professor of Metallography and also has built up quite a practice as a consultant, and as a result has been able to purchase a fine home in Belmont where he and Mrs. Homerberg

live.

Ralph H. Wallace, XIII, of 108 Wilmington Avenue, Dorchester, is with the New England Telephone and Telegraph Company in Boston. His work is on foreign wire relations and inductive coördination. It was two years ago February that Ralph renounced single blessedness. He writes: "Last summer my wife and I made a trip to Washington and while there met Melvin C. Rose, XIII. Mel was married about three years ago much to my surprise. He has to his credit a pair of the finest twin girls I believe can be found in the Class of '21. I met Harold (Nellie) Ewertz, XIII, recently in these parts. He has now joined the ranks of the married men and boasts a young daughter. He is living in Melrose, Mass. I heard that Artie Jackson, XIII, went to Florida and arrived at just the time of the hurricane. After it passed over I under-

stand that he and a couple of other fellows secured equipment and, supplementing this equipment with a lot of nerve, took contracts to put a number of houses back on their foundations."

Thomas W. Bartram, M. S. '21, V, has been chief chemist of the Rubber Service Laboratories Company at Nitro, W. Va. Tom first was with Pratt Laboratory as research assistant upon leaving Technology. Then he joined the Rubber Research Laboratories Company at Akron, Ohio, following which he joined his present organization. Tom is married and they have a boy, Tom, Jr., now nearly two years old. D. B. McGuire, VI, is with C. H. Tenney and Company, 38 Chauncey Street, Boston. During the past six years Don was first with the American Telephone and Telegraph Company for two years in New York and Hartford, Conn. After this he was chief engineer of a "Jerk" railroad in New York State and up to a short time ago he was resident engineer for the Rockland Light and Power Company in Nyack, N. Y. Don writes, "While in New York, I worked with T. B. Card, VI. He is married and has a daughter. I understand he is holding a fine position with the Electric Bond and Share Company. I had lunch with Moore LeFevre, III, who is touring the country for Frank M. Whitney Company, silversmiths, at North Attleboro, Mass. Fred Rowell, II, is manager, I believe, of the Plymouth Electric Company. A. L. Kerrigan, VI, is with C. H. Tenny and Company."

Herman S. Kiaer, XV-2, Hotel Iroquois, Iroquois Falls, Ontario,

reliand S. Klaer, AV-2, Notes Inoquois, Hoquois Fails, Ontario, tells us, "After more than three years in various pulp and paper mills in France, Norway and Sweden, mostly as assistant and research engineer, I came over to New York just before Christmas, visited some of the largest Canadian newsprint mills and finally came to Iroquois Falls, where I am holding a position in the research organization of the Abitibi Power and Paper Company. I have been specializing in the manufacture of newsprint paper for the past two years and intend to do so for a number of years to come." — Joseph L. Gillson, XII, Room 4-338, M. I. T., Cambridge, has been teaching the study of rocks for the past five years and says he is going to be sure he does not get into a rut. Joe has a family — Joe, Jr., six years, Jane, four years

and Patsy, one year.

H. E. McKinstry, II, has as a forwarding address, Rotch Building, Cambridge, Mass., and writes: "After returning from three years in Peru, I spent the last two winters at Harvard doing graduate work, the summer of 1925 in British Columbia in connection with mine examinations, the summer of 1926 in Ontario and Quebec and have been in Mexico since September examining prospects. In the camp of Santa Eulalia, Chihuahua, I met Ernie Gordon, XII, and his wife, and was very hospitably entertained by them. — Watts Humphrey, III, seems to be in Joplin, Mo., according to the post mark. — Stuart Nixon, XV-2, was selling the whole line for the Sun Oil Company in and around Detroit for about a year. He has just recently joined the Continental Motors Corporation again. This time, however, he is in the industrial sales division with headquarters at Muskegon, Mich.

This is all the space that we can have this month. Here's wishing you all an enjoyable summer. Drop your Secretary a few lines this summer and look forward to more notes this coming fall. Send in your "What's New" now.

R. A. St. Laurent, Secretary, 431 Oliver Street, Whiting, Ind. C. A. Clarke, Assistant Secretary, 121 Shearer Street, Montreal, P. Q., Canada.

As these words are written two weeks are busily engaged in elapsing before the whirlwind, record-breaking Five-Year Reunion of the Class of 1922. On the other hand, the drama will have been enacted for two weeks beyond that by the time these words see the light.

The moral is obvious. We shall hold the Class Notes for July at the present time in abeyance and circulate to all members of the Class later during the summer a handsome deckle-edged, morocco-bound, gilt-topped, tall vellum edition with gold chasings which shall fully and properly deal with the about-to-become-momentous affairs of the greatest reunion in the history of Technology.

This will be the secretarial swan song. We shall try to do the thing

in a fashion which will make it proper to say

"Nothing in his job Became him like the leaving of it."

Eric F. Hodgins, General Secretary, Room 3-205, M. I. T., Cambridge, Mass. Your Assistant Secretary is being allowed to assemble some more of the excellent dope on the doings of our classmates which have come in as a result of the late appeal for a mite to give athletics a boost. Out of a total number of 720, only 145 have been heard from, so there are still many in the Class who, to judge from the experiences of those we have heard from, must be having interesting adventures, either in business, matrimony, or what have you? These should write their Course Secretary.

Several correspondents have inquired about our Five-Year Reunion plans. An attempt is being made to assemble as many members of the Class Executive Committee as possible and lay preliminary plans. Announcements will be made herein as soon as there is anything to

report.

I must absolve the regular Course Secretaries from blame for any of the following material. I have arranged the data under the Course

headings for convenience.

Course I: Jim Robbins, who occasionally contributes to these columns, is in Washington with H. P. Converse and Company, engaged in building the Arlington Memorial Bridge. — Art Davenport, who has been jumping all around the country with Stone and Webster, is now in Richmond, Va. He reports that Jerry Putnam and Rolly Rubins were with him when he was in North Carolina, and that Arne Ronka and Art Stuckey are there in Virginia with him. He further reports that he is still single, and meets quite a few Technology men in Richmond.

Captain Teale reports a change of address from Fort Bliss, Texas, to St. Louis, Mo. — Leo Poor, writing from Baltimore, says, among other things: "At various times during the course of a twenty-four-hour day, I put in eight hours endeavoring to keep the wheels of the Pennsylvania turning. In recompense for said efforts, I am awarded the title of assistant yard master, and favored with some slight monetary remuneration. This is expected to keep my wife and me clothed and fed, as well as buy shoes for the youngsters. My financial successes have not encouraged me to stretch said return beyond my own wants, even were prospects brighter than they are."

Bob Prinz reports from Dayton, Ohio: "At present I am assistant engineer with the Department of Water in charge of the Engineering Division, and have been for the past two years. Previous to that time I was with the Hugh L. Cooper and Company of New York, working on Wilson Dam (part of the Muscle Shoals project), at Florence, Ala. On this present work, we have been making some very extensive and much needed improvements, including seven thirty-eight-inch Layne type wells, a million-gallon steel standpipe, a ten-million-gallon concrete reservoir, 2.5 miles of 84-inch precast concrete pipe, and a new

electric pump station, replacing the old steam station."

Martin Burckes writes that he likes his work as lieutenant in the Field Artillery at Fort Bragg. He says, "I have done almost everything in the line of engineering since I have been here. I put in one 300-foot railroad siding for a coal dump, worked for three days on a three-mile railroad line, while the officer in charge was sick. Besides these, have built rough bridges and corduroy roads so that our regiment of 155 mm. howitzers, tractor-drawn, could negotiate the roads on the range. I expect to go to the Field Artillery School at Fort Sill next

September for a year's course."

Pete Petersen has considerable news also: "In November, 1925, I was still with the Bethlehem Steel Company, when I left to go and stay with my mother in southern Europe, for the sake of her health. Fortunately she improved, and I took the opportunity of looking Europe over, which I enjoyed very much (except financially). I did have one experience, however, that I cannot say I enjoyed. While skiing in Switzerland, I had an accident which very nearly cost me an eye. The accident delayed my return to the States, so I didn't land here until early in January this year. I am working now with the Port of New York Authority on the design of the Hudson River Bridge. Lier is with the same office. His days of freedom are numbered, however, as he is getting married some time this month. I heard a rumor recently that Lassen is manager of a bus line in Oslo, Norway. — We were very sorry to hear of the death of Jerry Putnam's father. He died very suddenly in March."

Course II: The first letter received from this Course was from Walt Marder. He writes: "Things are going very easily with me. I am with the American Type Founders Company, in Jersey City, trying to keep things running in good shape. I bumped into our friend Kelly the other day on one of the stairways of our plant. He is working for the MacDonald Brothers, industrial engineers, of New York, who are making a survey of our plant."

Howard Keppel wrote that our request for 12.5 cents was the easiest touch he had received so far. His letterhead informs us that he is Builder-Contractor-Engineer, and located at Flushing, N. Y.— Howard Dexter is at West Palm Beach, Fla. He writes: "I have graduated in electrical engineering, and am now inspecting concrete sheet pile for the Palm Beach County inlet, working for General G. W. Goethals. This game of working for an engineer on a construction job ten hours a day, and then book work at night, is a tough one." — Art Hill writes from LaPorte, Colo.: "Cement plant construction doing nicely here."

George Hall has a lot of news: "I am located at Kansas City, and have been here about a year and a half. After leaving Technology, I went with West Penn Power Company of Pittsburgh, and after learning a good deal about power, received an offer to come to the Kansas City Public Service Institute. I like the work, connections and location very much. My family now consists of four, including mother and dad. The other two are boys, one two and a half years old, and the

other four months."

Harold Gray thinks that it will be difficult to get much response for athletics at Technology: "What you want to drive home to these birds is the fact that Technology is standing still, and these big midwestern universities are going like a house afire. Anything that can be done to advertise Technology's proven ability, even to beating Harvard on the river, is well worth while, and worth paying money for."

— Fred Stevens furnishes the following information: "I have been working for the Firestone Tire and Rubber Company since graduation, and my capacities have been many and varied. I took myself a wife last June, and hereby pronounce this talk of 'single blessedness' the bunk. We have a happy home established at 764 Worth Drive, Akron, Ohio."

George Hurley bravely makes his first attempt to report anything regarding himself. "Since graduating I have been railroading on the New York Central. I have served my time in the shops, engine houses, and now on the road, assisting in dynamometer car tests on a new and heavy fast passenger locomotive." — E. B. Ledisma is with the Cebu Tel. and Tel. Co., at Cebu, P. I. — Major Zornig is now Assistant

Military Attache to the American Embassy at Berlin.

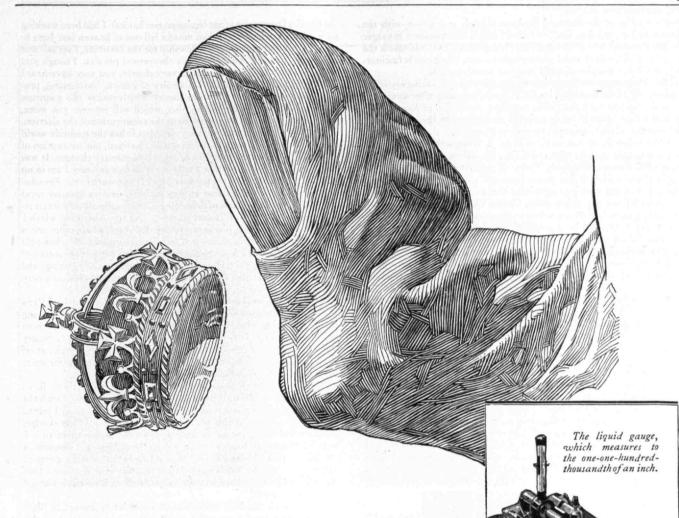
These columns have not been called on very often to record the death of classmates. Lieut. S. H. Wooster, who came to Technology from Annapolis, and, since graduating from the Institute, had become prominent in aviation, was killed in the crash of a plane which he and another pilot were testing at a southern flying field recently. The other deceased classmate is Said A. Dabbus, who passed away at his home in Jamaica, N. Y., on March 8, due to heart disease and mastoiditis. He is survived by his widow, Bertha L. Dabbus, University of Wisconsin, '20. Since graduation, Dabbus had been with engineering departments of the Hood Rubber Company of Watertown, the General Electric Company at Lynn, Consolidated Gas Company in New York, and Stone and Webster, Inc., in Boston.

Course III: Eddie Heap reports that he is still with Norfolk Paint and Varnish Company, helping them to make the paints and varnishes produced in Atlantic. He writes: "I don't know whether or not you

knew that Eddie, Jr., is now eight months old.'

Course V: "In case any one cares," writes Gordon Williams from Cleveland, "I am chemist with Thompson Products, married, and getting nowhere fast."—In acknowledging a check from Gladys Farmer, I chided her for not sending in any news about herself. In response, she forwarded the following clipping from the Boston Transcript of April 16. "At an informal bridge party given at her home in Belmont, announcement was made of the engagement of Miss Gladys Farmer, daughter of Mr. and Mrs. G. E. Farmer, to Lawrence E. Noble, son of Mr. and Mrs. James Noble of St. Louis. Miss Farmer studied for three years at Technology and was a graduate of Miss Pierce's Secretarial School."

Course VI: W. R. Farley takes a whole sheet of paper to tell us that "Some day I am going to write at considerable length on my experiences and ideas, as I have by this time some very definite ideas regarding engineering." Good for you, Farley! That, however, does not give us any very definite idea about what you are doing. — George Bricker has a lot of news which I will not attempt to expurgate or classify. He writes from Brooklyn, but leaves us in some doubt as to just what he is doing himself: "Tom Rounds popped in on me this afternoon, having just come back from Milwaukee today, and is leaving for Chicago tomorrow. He sure leads a strenuous life, supervising the installation of roller bearings on railroad cars when he isn't busy traveling between here and somewhere else, Paul Ryan left his (Continued on page 518)



The rule of thumb is over...

KING THUMB rules no more. The rule of thumb, with all its costly guesswork, has no place in Western Electric telephone making.

Here exact measuring standards are the rule, precise in many cases to the ten-thousandth part of an inch. And this habit of being exact controls every factory activity—in the systematic planning of the great task of telephone production, in manufacturing to known standards of quality, in constantly improving methods of work—not in haphazard experiment but by scientific attack by a group of skilled industrial engineers.

At the same time, as makers of the nation's telephones, Western Electric is meeting its responsibility by holding down the cost of telephone apparatus to a figure well below the increased cost

of general commodities.

Back of



Looks like a bomb, but really a little "dark room" which permits the inspector to know exactly whether a tiny switchboard lamp comes up to the mark.

Western Electric

1923 Continued from page 516

instructorship at the Harvard Business School, and is now with the American Tel. and Tel. Co." — Lloyd Long is southwestern manager for the Fairchild Aërial Surveys, Inc. He explains: "Our business is the making of all kinds of aërial photographic maps. The game is fascinating, and holds promise of rapid progress to other goals."

Dick Frazier reports that this is his second year of teaching electrical engineering at the Institute. — Ed Thimme says that after serving as a credit engineer with the Public Service Corporation of New Jersey, he had a rare break in being assigned as engineer in the distribution

department of said company, located at Paterson.

A very nice letter was received from J. Westgarth Voelcker, who was a graduate student with this Class. He writes as follows from 4, East Cliff, Preston, England: "Some of you may be coming over to England some day. A line to me here will assure a contact, and, I trust, a personal meeting, especially if the landing is at Liverpool, from which I am only thirty miles. Course VI should make a point of being my guests, but all are welcome. Preston is a very fair center. To the south you can soon bury yourself in smoke and grease; to the north there are lakes; and east the Yorkshire moors; and, of course, we get busy on cotton immediately around these parts."

Al Pyle, Course VI Secretary, writes from Dania, Fla., being there with the Florida Power and Light Company: "I came down on a visit and liked the country so much I wanted to stay a while, so took this maintenance job at the Lauderdale plant of the Florida system. I shall stay long enough to see the state." He sends along the following to add to these notes, and Johnny Thompson has also sent along a few about VI-A so the rest of the VI notes are from these worthy gentle-

men.

The following is from Pyle: "From across the broad Atlantic, borne by the authority of a 30-centime stamp, comes a bit of news penned by Classmate J. A. Stratton. Our worthy mate stopped in the midst of a dissection upon the mass of an atom, stopped to tell us something of the chase a tiny atom can lead us — or rather those fortunate enough to focus their optics on the fugitive. As Stratton writes: 'What am I doing here? It's quite a long story. You probably know that during the past two years I have been back at Technology taking an M.S. and doing research work for the Communications Lab. However, I have been most interested in the theoretical side with decided leanings to



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the Physics Department (not freshman mechanics). I had been working for a doctor's degree and when manna fell out of heaven last June in the way of a sort of traveling fellowship for the Institute, I set sail and came over to work with Debye in theoretical physics. Though you probably don't follow these things very closely, you may have heard that Schrödinger here at the University of Zürich, Switzerland, proposed last year a new quantum theory which makes the quantum numbers seem very simple and also, which will interest you more, gives us an entirely new conception of the constitution of the electron. It is all still very new and not very clear but it has the scientific world in pretty much of a turmoil. If eventually justified, our conception of atoms and electrons is going to undergo revolutionary changes. It was in the middle of this mess that I fell here in Zürich and now I am in up to my neck. I am publishing my first paper next month in the Physikalische Zeitschrift on dispersion at very high frequencies (gamma rays) according to the new work of Schrödinger. It is really all very interesting. Back in the days of "sugar pounds," and the other kind which I have already forgotten, it was pretty dry. But here, where every one is so terribly enthusiastic, where you feel you are right on the threshold of a new world which is to disclose to us the meaning, the essence of matter, energy and electricity, here where people are doing things and make you feel that you can do them too, everything takes on a very different aspect.

"There are a good many Technology men over here now and Paris last year was jammed with them. There I had the pleasure of running into Dee Yount, VI-A, on his way home for a vacation after three years out in India. It is possible that I shall be here or in Germany again next winter. It doesn't take one long to feel pretty much cut off from America and I must confess that I read The Review far more

carefully than I did in Boston.'

"Coming back with electron-speed to America, we peep in on R. C. Robin at Duluth, Minn. We hear: 'From Technology I went with the General Electric Company at Schenectady. In March, 1924, I joined the Chicago, Minneapolis and St. Paul Railway at Deer Lodge, Mont., working on electric locomotives. At the beginning of 1925 I came to Duluth and am with the Oliver Iron Mining Company, a subsidiary of the United States Steel Corporation. Before going to Montana I married a New England Conservatory girl. We have a two-year-old daughter and are longing to get back to Boston, to our old schools and friends."

Then we have this from Thompson: "A long letter from P. B. Alger is the fountain-head from which springs the greater portion of this month's notes. P. B. is now back in Boston as an electrical designer with Stone and Webster. He is working on the design of a new steam plant for the Southern California Edison, which is to have a 100,000 KVA machine. P. B.'s address is 1073 Beacon Street, Brookline. P. B. writes that Miles Pennybacker has now joined the happy throng of married members of the Course. He recently married Miss Inez Coombs from Indiana, a graduate of Emerson College. They are at home at 1758 Commonwealth Avenue, Boston. Penny, I now believe, is general manager of the Raytheon Manufacturing Company, for which company Cecil Greene has charge of research and development work. The latter is living at 224 Warren Street, Allston.

"Hazeltine, of aviation and trans-continental honeymoon fame, is now living in Colorado. The address is Aurora, a town just outside of Denver. Hazzy received his commission in the National Guard as well as in the O. R. C. and still flies several times weekly. He is doing development work for the Traylor Vibrator Company. The product of his genius is, I believe, a rather novel type of reciprocating electric device. He has had two additions to his family, a daughter and a son, the latter being only a few months old. Hazzy writes that 'married life is the real goods and we are still honeymooning.'

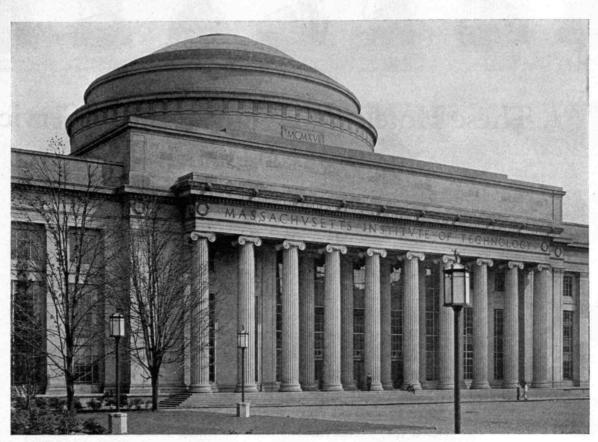
"Another author has also come out of our ranks. This time it is Charles Burke, who recently blossomed forth with an article in *Radio* Broadcast on the subject of various methods of filament current supply for broadcast receivers."

Course VII: C. P. Thayer is still in Porto Rico with the Y. M. C. A. His letterhead announces that he is the promoter of the Fifth Annual Volley Ball Championship at San Juan.

Course VIII: Atherton Hastings sent in a contribution and a good letter, and then ten days later sent in another contribution saying that he couldn't remember whether he had done so before or not! He furnished the following news from Syracuse, N. Y.: "I am working in the Research Lab of the Atmospheric Nitrogen Corporation. Work is very interesting with numerous projects of a most diverse character. I tried to hunt up Donald Lovell about two weeks ago over in Schenectady —

(Continued on page 522)

INDIANA LIMESTONE—THE NATION'S BUILDING STONE



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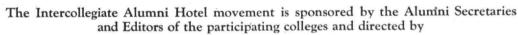


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1923 Continued from page 518

went through a snowstorm and covered 200 miles by motor cycle in a vain attempt. How is that for Class spirit!" Donald Lovell whom Hastings so unsuccessfully sought has been heard from. He is in the General Electric Research Laboratory at Schenectady.

General Electric Research Laboratory at Schenectady.

Bill Allis writes from Room 4-010 at the Institute: "As you see, I have turned to a lucrative profession—that of research associate. Research is, indeed, supposed to be my main occupation, but I also teach a course in advanced physics and have two students writing theses under me, so that my research is quite a bit encroached upon. Come around to the Institute and see the old place once in a while."

Course X: Forrest Hunt stalled off telling anything about himself by devoting his letter to saying how much the St. Louis Alumni enjoyed a recent opportunity they had to hear Dr. Stratton. We glean from his letterhead that he is with the Brock Engineering Corporation, specialists in purification of boiler feed water. — The following is from a letter from Howard Dexter, the rest of which is mentioned in Course II notes above: "I received an invitation to the wedding of one Harry Clark Barrett to Miss Dorothy Anna Schwenk on March 26, at Brattleboro, Vt."

Irving Epstein is real communicative: "I spent about two and a half years in the typewriter business, first with the Hammond people in Philadelphia and then with the Remington people in Chicago. Then, I spent about ten months in Florida in the business which occupies the time of four out of every five down there — real estate. Since June of last year I have been in retail men's clothing and furnishings business with my father, and handle distribution of auto-

motive accessories as a side issue."

Tom Drew, teaching at Drexel Institute, Philadelphia, informs us: "I am finding that the business of instilling knowledge in the youth of Philadelphia takes so much time that I hardly ever get a chance to see any of the dozen or so classmates in the city. I do see my brother-in-law, Ollie Hooper, I, who hangs out at J. G. White's in New York every now and then. He spent most of last spring in Guatemala, as possibly you know, and now I hear alternate rumors of his being sent to Chile or South Carolina. My own business in Philadelphia consists in passing on the mysteries of chemistry and chemical engineering to seniors, juniors and frosh at Drexel."

These Ten-ers know how to write letters. From J. D. Cochrane:

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INSURANCE OF ALL KINDS



40 KILBY STREET BOSTON. MASS.

"I'm in charge of the Research Development Department of the Formica Insulation Company of Cincinnati, having been here since April, 1925, after a year's work in the Research Lab of Applied Chemistry at the Institute. I like the work real well, and I must admit I'm not sorry at all that I took Chemical Engineering. Last October found me graduating from the class of the groom, that date being the first anniversary. I join with the other happily married boys in saying that it is the life, especially when you get to be a fond daddy of a grown-up four-months-old baby. John D., III, is due to go to school most any day and join the boy scouts soon afterwards."

E. D. Ries writes from the Department of Chemistry of the Penn State College: "I came down here last fall to take charge of chemical engineering and have been devoting full time to it since." — I heard from Frosty Harmon from Los Angeles. He has been in the west coast about ten months doing development work for the National Tube Company, a United States Steel Corporation subsidiary. He says he expects to be there another year. He further reports having seen Benny Lane, Charlie Toll, Bunny Kingsley and Al Meekin at one time or

another.

Bert Landry indicates his whereabouts at Rifle, Colo., with the United States Bureau of Mines. — Fred Entwistle says he doesn't see Technology very often now and opines that his calls will be less frequent, as he has relinquished single blessedness. His address is Taunton, Mass. — W. W. Bray writes that he is still with Procter and Gamble Company and that he is just now on the last lap of a rather extended tour doing service and missionary work in the laundries. — Anna Mohring is now with the lab of the American Chicle Company at Long Island City, New York. She was formerly with the Royal Baking Powder Company in Brooklyn.

Course XV: Kitty Kattwinkle apologizes for not promptly responding, but observes: "Next to the President of the United States, a medical student at Harvard is the busiest fellow in the country. The work is going fine and if the bottom doesn't drop out of the financial market, I'll be practicing medicine in some country town in a little over four

years."

Our Class Treasurer, Red Adams, is fairly recently back in this country after an extended tour on behalf of the Massey-Harris Harvester Company of Toronto. — Phil Coleman contributes a note or two: "Mibe Miller has been happily married for some time. So far as I know, he is still with the Safe and Lock Company. I see Art Cowill and Waldo Fox frequently. Both are married and proud fathers. They are, like myself and Ed Thimme, with the Public Service Corporation of New Jersey, but Ed and I are not married! I ran into Rodney Goetchius, VI, and Mrs. Goetchius recently. He is one of the American Tel. and Tel. Co. experts on sending pictures by wire. H. F. Russell, II, is in the insurance game, with headquarters in Providence, and travels quite a bit. From time to time I see two Course VII men—Earl Griswold and Milton Parker. The former resides in East Orange, the latter in Princeton, N. J." Phil is himself an industrial power representative of the Public Service Corporation of New Jersey.

Johnny Nason reports that he hasn't a kick in the world. He is general manager of the Columbia Radiator Company of McKeesport, Penna. — Fergie (H. S. Ferguson) will, by the time this gets into print, be on a wedding trip to California, having been married on May 28 to Miss Georgia Cook of New Bedford. Fergie plans, while out there, to inspect the Oakland plant of the Dewey and Almy Chemical

Company of which he is Assistant Treasurer.

Joel Lund writes from the wilds of Perryville, Mo., on a letterhead of the International Shoe Company: "I am still a long way from getting married. Not even any prospects. As far as other personal news goes, there isn't much. I have been working for this company now for about two and a half years, in the Labor Department. It lives up to its name. Up until about a month ago, I have been working mostly in St. Louis factories, but for the past month have been out on the road again, and will probably continue to travel for the next few months. Here today and somewhere else tomorrow. It's a great life. This is the first trip Ray and I have taken together for some time. Speaking of traveling, though, I figured up the other day and find I have been to twenty-six of our thirty-two plants here in the West. While not perfect, I consider my percentage fairly good."

J. J. Murphy's letterhead indicates that he has an office in the Carbide and Carbon Building, New York. — B. L. Chapin is with the Pittsburgh Transformer Company of Boston. — Marion Walters reports he is getting along nicely with the Navy Department in Washington, and enjoys his work. — A. G. Crowley is now in Milwaukee, with the Hunter-Marsh Company. — Eltweed Pomeroy says he wrote a letter to the Course XV Secretary a few weeks ago, telling him that

he is now in Kansas City, Mo., with the Consolidated Cement Corporation. The above fact is here chronicled for Honorable Ed Miller hasn't broken silence for several moons.

Al Brantingham reports an heir in his family, saying that the young man came just before Christmas, in Boston. He writes from Rockford, Ill.: "I am trying to interest some of the fellows in the graduating class in our proposition out here, making automobile parts, ice boxes for electric refrigeration, steel apartment house kitchens and farm machinery."

Newt Brown, who is with French and Heald Company, furniture manufacturers of Boston, writes: "I'm still with the same people I started in with after graduation. I have entire charge of all the advertising and have tried my hand at selling, credits, collections, designing, shipping, or what have you. No, I'm not married. Yes, I would like to get that way, but circumstances are 'agin' me at the present. I am officially called industrial engineer for the concern, and whenever we find anything that comes under the heading, I have been able to put across a few ideas which have proved at least of no harm to the business. I like the work very well. It sure keeps a fellow on his toes all the time. There are a lot of cutthroats in this game, and one has to keep his eye peeled so as not to get too badly stung."

Bunny Kingsley writes from California that he hopes within a few years to get back east for a visit and wishes to be remembered to any one whom he may know whom we may see at Class gatherings. He is with the Los Angeles Soap Company. — The New York World carried the following item early this year: "Mr. and Mrs. George J. Williams of 2 Grace Court have announced the engagement of their daughter, Miss Angela L. Williams to J. Henry Scholtz, Jr."

ROBERT E. HENDRIE, Secretary, 12 Newton Street, Cambridge, Mass. H. L. Bond, Assistant Secretary, 31 Concord Avenue, Cambridge, Mass.

We are anxious to enlist the support of the entire Class in an effort to locate Luis Stefani, or information concerning him. Your General Secretary heard through Mr. Harry Camp, who is the agent in connection with our endowment, that he had died, but he had no information as to

where and when. He is anxious to obtain information so that proper settlement can be made, but we are also anxious as a class to determine the details so that we can complete our records. We hope that the rumor of his death is one of those exaggerated rumors and that through these columns he may again appear. If any one who reads this can tell us how we may get any information concerning him, such information will be greatly appreciated. Even a suggestion may help.

I have an announcement at hand which reads as follows: Mr. and Mrs. O. B. Ingram announce the marriage of their daughter, Margaret, to James Edwin Jagger, Saturday, April 9, 1927, at Opelika, Ala. Our congratulations to Ed. A general survey of these columns during the past year indicates a healthy growth in the number who are

getting married.

Phil Bates, Secretary for Course VII, the baby course of those represented, has called my attention to the omission of his notes upon a recent occasion. I'm very sorry such an omission occurred because with the difficulty of getting notes, after we have obtained them we don't want to lose them. And so, what appears here for his Course is a little bit ancient, the fault being all mine.

H. G. Donovan, General Secretary, 755 Asylum Avenue, Hartford, Conn.

THE PRESIDENT'S LETTER

Greetings! The way time is piling up since we last saw the Institute is brought vividly to mind by the number of times your worthy Secretary has requested a letter for The Review.

First of all, I desire to express the appreciation of the Class officers for the very excellent work which the Course Secretaries have rendered in the columns of this publication. These notes, which are second to none, reflect credit upon the Class organization.

The 1924 monthly luncheons in New York are always anticipated eagerly and judged by the regularity of the attendance and the good spirit which is shown, these expectations are realized. I strongly urge that these groups be organized in certain other centers and would be glad to assist in whatever manner possible.

With every best wish to each member.

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COURSE I

My last contribution of the season will have to be a short turn with no encore. Of news there is none, or at least very little. Not long ago Smoke McWilliams was given a detail of writing a saga concerning the trials and tribulations of being President of the Bear Gap Water Company of Shamokin, Penna. Smoke disdained to write on such subject but sent instead a clipping which reads as follows: "Mr. and Mrs. Douglas E. McWilliams, the former being the well-known President of the Bear Gap Water Company, are receiving the congratulations of their many friends upon the advent of a first heir and lusty son, Douglas Edmund, Jr., born on January 25, 1927. The mother, née Dorothy Kriner, and interesting son are enjoying mutual prosperity and happiness." Our congratulations, Smoke! We think it would have been in order to have sent in a previous announcement of your wedding. If such a thing happens again the shock may prove too great a strain.

My dear readers may have noticed that as time has progressed my notes have lost their erstwhile pep, spontaneity and abundance. The blame is mutual, I think. Pressure of other duties has made active sleuthing for news impossible, and the news does not seem to arrive without the sleuthing. In all probability by the time Eric Hodgins' little pamphlet awakens from its summer stupor, I will again be in the East and, I hope, in closer touch with more of you.

J. D. Fitch, Secretary, Charles T. Main, Inc., Great Falls, Mont.

Course VI

The appeal in the last set of notes was productive of excellent results, and a good part of the Course came across with some information as to its whereabouts. The first letter to arrive was from Clinton Conway, who writes from 4312 Kathland Avenue, Baltimore. Conway is an illuminating engineer, and makes the claim that his profession is keeping the world lit up in the only legal way that is now left. This line of endeavor also claims Helen Hardy, Chick Kane, and Terry Latham.

The Secretary spent several days at the Institute this spring and had the pleasure of meeting a few of the old boys, including Harold Hazen, Henry Shore, George Arapakis, and a few more of those who

, NO , I Am Busy

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A note from Larry Bain indicates that he has left the Boston branch house of the Western Electric Company and is now at their head-quarters in Chicago. He may be reached after business hours at 328 Austin Boulevard, Oak Park, Ill. Course VI-A evidently decided that a little publicity was due it, and as a result we hear that Calvin Reed has transferred himself from Montevideo to Calle Salta 1436, Piso 3B, Buenos Aires, Argentine. If that conglomerate address means anything to the VI-A boys, he would no doubt like to hear from some of them. Quite as alarming an address is given by Augustus Rudd, who writes from Ramblas de Estudios, II, Barcelona, Spain, care of C. T. N. deE. Another note is from Henry Tanck, who is located at the Radio Corporation Station at Rocky Point, N. Y., while still another states that Bernard Zangwill may be found at 3335 Nichols Avenue, Congress Heights, D. C.

As to the rest of the boys we have found out very little except addresses. John Gegan writes that his address is 119 Morning Street, Portland, Maine, where he is employed as division commercial engineer by the telephone company. — John Jackson is with the Appalachian Electric Power Company at Lynchburg, Va., and Jerome Taylor has diverted his activities from engineering long enough to study for a degree at Johns Hopkins. — Wally Trumper is with the Gulf States Utilities Company in Beaumont, Texas, as an engineer, and Vin Lysaght may be found at 69 Tiemann Place, New York.

Since this is to be the last bunch of notes for the year, I will hope to hear from a good many of the boys before The Review comes out again in the fall. Let's hear some real stuff to publish in the next issues. We assume that you all like to read news of the Class, but the news can't be manufactured out of thin air. A pleasant year to you all, and we still live in hopes of hearing from you.

F. A. BARRETT, Secretary, 19 Stevens Street, Winchester, Mass.

COURSE VII

Early in February, Rienzi Parker passed around some very good cigars in honor of the arrival of Rienzi, Junior. Did you ever stop to think that when we are all back for our Twenty-Five Year Reunion we will be seeing some of these "Juniors" graduating from the Institute? We have heard indirectly that Charlie Farenbach has had to spend most of the winter in a Texas sanitarium. He is showing considerable improvement, however, and expects a full recovery soon. We hope that by the middle of the summer he is fully recovered.

PHILIP K. BATES, Secretary, M. I. T. Dorms, Cambridge, Mass.

Course X

The honor of this issue goes to the combined forces of William Levi and Henry Rau. All through the four years at the Institute these two were inseparable. And now they are both married. Bill Levi was married some time ago, we don't know just when. Henry Rau was married on his birthday, May 14, if the papers were correct. He married Miss Helen Levy in the Louis XVI ballroom of the Park Lane, in New York. Both Bill and Henry will continue to live in New York. Congratulations of the Course to you both. — Robert Forrest Mackie and Miss Sylvia Elizabeth Hewitson have announced their engagement. Good old Bob, we were certainly glad to hear about it.

Some good typewriting now from Bill Couch: "A year ago last January the work which we had been doing in Cambridge, at A. D. Little, Inc., came to fruition in a plant at Tiverton, R. I. I have been

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there ever since as chief chemist of the Petroleum Chemical Corporation. We have been producing anti-knock, tertiary butyl alcohol, and secondary butyl acetate. At present, operations are at a standstill. We are, however, doing research work in the laboratory, while those having financial control determine whether they will build another plant or not. Derby went with us to Tiverton. He left about last July and is now with the Pacific Mills, in Lawrence."

So long, gang, and I hope none of you will miss those three months

of vacations we used to have any more than I do.

WILLIAM B. COLEMAN, Secretary, 40 Morningside Avenue, New York, N. Y.

Course XIV

Two more weddings in this Course have brought the total up to six. Six out of fourteen is quite a large percentage, and when two more take the step, the single ones will be much in the minority and presumably pretty much in disfavor. The only answer that I can find for such a dilemma is to be one of the next two. Eddie Lindstrom was the first to come to my attention. He was married on April 16 to Miss Louise Thomas. He is now at home at 323 Lincoln Street, Worcester, Mass.

Congratulations to Eddie.

The other one to take the step and thus reduce the benedicts to a periously low number was Jack Walthall, who was married on June 1 to Miss Jennie Mae Dixon of Elm City, N. C. He wrote me a letter indicating his particular difficulty in this connection. He is at present taking a honeymoon trip in Europe, and his difficulty arose in trying to get a passport for his wife at a time when she was not quite that. Presumably he straightened it all out. On June 4 he sailed from New York for Liverpool, and from there went to Paris for a couple of weeks, and from there he went to northern Spain, where he is to remain several months. He has been transferred from Badin, but he hasn't yet told me what his Spanish address will be.

The other four, as you know, who are happily married are Brown, Cummings, Morgan and Sturdy. Please note I am not one of that number. Why, in fact, I am not even engaged. To be perfectly honest, I don't even know when I will be, so you see what my chances are of

getting into that exclusive group.

H. G. Donovan, Secretary, 755 Asylum Avenue, Hartford, Conn.

COURSE XV

It is with profound sorrow that we record the passing away of Richard W. Kenison, formerly a member of our Course and Class. Dick was drowned on April 21, when his airplane crashed at Newport News, Va. Another martyr to the cause of this nation's progress in the air, all of us who knew Dick, as well as those who did not, will mourn his loss. He was a man worth knowing.

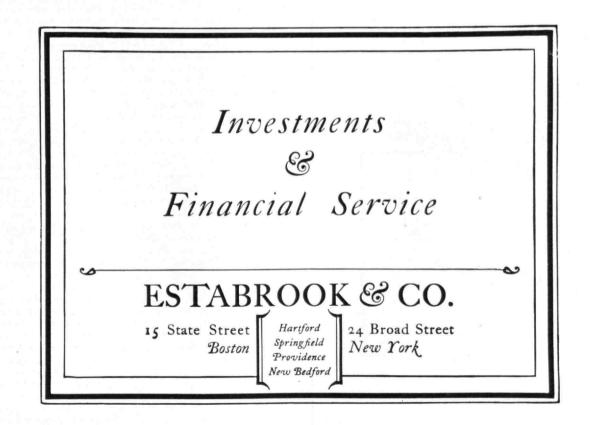
I ran across Bill Van Dusen not so long ago in the South Station. It happened to be between trains for both of us, so there was an opportunity for some conversation. Bill is with the National Credit Office at 45 East 17th Street, New York. — Phil Blanchard has also moved to New York, where he is with the Superheater Company at 17 East 42d Street. — We see Dick Holt now and then, inasmuch as he is now at the main offices of the C. H. Tenney Company here in Boston. — Gordon Billard is now with Lage and Company at 160 Broadway, New York. — We have a new address for Harry Estill, in case any of you wish to reach him. It is 5560 Pershing Avenue, St. Louis, Mo. — Joe Naughton has reversed the route and come east from Indiana to Pittsfield, Mass., where he has a position with the Pittsfield National Bank. — George Parker gives his home address as 27 Stephen Street, Lynn, Mass.

The following appeared in the Boston Transcript for May 11: "Mr. and Mrs. Peter Duryee of Englewood, N. J., announce the engagement of their daughter, Miss Margaret Ruggles Duryee, to A. Whitney Rhodes, son of Mrs. Fred Fearing Rhodes and the late Mr. Rhodes of Boston. Miss Duryee attended Miss Hall's School at Pittsfield in the Berkshires. Mr. Rhodes was graduated from Harvard in the Class of 1921 and from Massachusetts Institute of Technology in the Class of 1924. He is a member of the Harvard Club of Boston and the Technology Club of New York. He served in the infantry as lieutenant

in the World War." Congratulations, Whitney!

JOHN O. HOLDEN, Secretary, 110 Munroe Road, Quincy, Mass.

Don Wheeler, Arnie Marshall, Bob Cowan, and myself, have at last deserted the Technology Club for an apartment. We are now at 71 Irving Place, where we have the whole first floor. A court in back, where we can play handball or practice tennis, and three fireplaces are two of the



features that induced us to make the change. Most of our friends have been asking when we are going to have a house warming. In spite of the large rooms, we may have to run more than one party to satisfy every one. Since the apartment is only a short distance from the Club, we are keeping the Technology Club as our official address.

On the third of May, I reported at Fort Totten for my two weeks' active duty training with the 62nd C. A. (A. A.). From there we went to Fort Adams, Newport, R. I., to help the Blues in the Black and Blue War. My two weeks were up before the war was over, but the Blues won, nevertheless. The trip to Newport was made by truck, but I came back by boat; a much more comfortable way, as it is a bit too early to sleep out in tents, particularly when it rains as much as it has recently. — Milt Salzman also spent two weeks at camp, with the First Engineers at Fort DuPont, Del. The high point of his tour of duty was the day he was made an M. P. "Who won the war? The M. P's." — F. Leroy Foster is taking Creveling's place as Secretary for Courses III and VII. His address is Room 8-111, M. I. T.

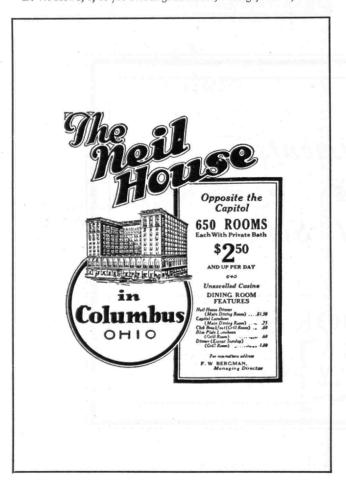
FRANK W. PRESTON, Secretary, 17 Gramercy Park, New York, N. Y.

COURSE I

Last month I received a letter from a Course I man about whom I had forgotten. Frank Harris started as '26, but by dint of going to school summers, Sundays and holidays, he managed to finish with '25. He is working for Miller and McGiffert, engineers, in Montclair, N. J., on local work.

I received also a nice long letter from C. P. Worthington from which I would like to quote at length, but dare not after a request from the Editors to go light on space for the rest of the year. Worthington says that he is employed in a civil capacity by the U. S. Engineer Corps at Louisville, Ky., where he has been since shortly after graduation. During the winter and high water season he works chiefly on the design of floating derricks, dry dock gates, and so on, and in the summer shifts to field work on dam construction. He writes interestingly of a survey trip to the cave regions of the state. He also tells of meeting Galen Wallace, who is working on a government dam near Owensboro, Ky.

D. W. Howe, I, of 710 North 30th Street, Billings, Mont., and his



wife have a daughter, Mary Rose, who arrived March 7. — I met Glen Gilboy on a recent trip over to the Institute. He is still Professor Spofford's right-hand man and takes his Master's degree this June. — George Myrick has recently been transferred from Stone and Webster's Boston office to a field job at Weymouth, Mass., where the company is extending the but recently completed Edgar Station of the Boston Edison Company.

So much for this year. If you do anything exciting during the summer, save it for next year and tell the rest of the gang about it. I wish

you the same.

HAROLD V. ROBICHAU, Secretary, 28 Bow Street, Beverly, Mass.

COURSE II

Let's see, this was the issue that I was supposed to hear from Lauria, Johnson and Holland. Well, I did hear from Toni. He is hitting for 1.000, but the rest of the team seems to be in the midst of a batting slump. Perhaps Jim Holland has writer's cramp, for I notice he is Secretary of the Technology Club of Akron. As for Wade Johnson, I guess he is hopeless. Toni Lauria insists that his move to Baltimore was quite devoid of any ulterior motive and maintains that it was merely a coincidence that he should already be acquainted with the fair ones of that city. Far be it from me to doubt his word. Toni also wants to know whether I am engaged or married. No, I am still available evenings and would make myself agreeable to the proper persons (female) - local papers please copy. While we are on the subject Toni says that Lloyd Irving left one harem behind him in Akron only to start another in California. Don't think, though, that Toni confines himself to social activities, for during the day he is still showing the bus operators how to keep air in the "best tire in the world." This work keeps him on the road a great deal, and even as he wrote his letter he was using one hand to pack his bag for a tour through North Carolina, Virginia, West Virginia and Maryland. It is too bad he can't twist his itinerary around a bit so his journeys would take him to the big city.

The other day I got a fat envelope postmarked El Paso, and I thought as I opened it, Boy! here's more news from Bob Huthsteiner. As Bob says, "The principal and big news is that Chip Chippendale passed this way some time ago on his way from his last stopping point in California, to Charcas, a mining camp in Old Mexico. You will recall that last time I wrote that Chippendale called on his way to California, but I was out of town. Well, this time I was at home, Chip called up about 10.30 A.M., and we got together for lunch, mostly talk and not much food - Chip, a friend of mine here in El Paso and myself. At lunch we discussed plans for the evening, and Chip insisted that we ought to get a girl for him, and let him have one last fling before going into the wilds of Mexico, to which we heartily agreed, but I insisted that I should be chaperone, so we called it a stag affair and went to supper and the show, and afterwards drove up on the mountain and let Chip see how our local talents get their thrills. This last made Chip nervous, so we went back to town (had to hold him in the car), and we talked in front of the hotel until I was afraid we'd have to begin dodging shoes and water pitchers. Chip apparently had some very educational experiences in California, but that is his story, and maybe I had better draw the veil. He said that he hadn't seen a Review since the first issue, he had been jumping too fast, and has had trouble enough to remember to gather together all his belongings without leaving a forwarding address. At present he may be reached by sending his mail c/o American Smelting and Refining Company, Charcas, San Louis Potosi, Mexico.

"I just got home last night from ten days on the road, in the flivver, and I still am impressed by this country even after living out here most of my life. If you have never been west you cannot conceive of the vastness of this country or its lack of population. For example, I left Rincon, N. Mex., at 8.40 P.M. last night, pitch dark, and what I mean is dark, you couldn't see a foot ahead, except where the headlights cut through, and a few miles out from Rincon one of my lights went out. From Rincon to Los Cruces is about thirty miles, it took me one and a half hours to make the stretch, and I met one auto in that time. While in Socorro, N. Mex., I had the time of my life, playing volunteer fireman. I was out at the ice plant when we noticed a great cloud of smoke about a block away, and an instant later saw flames shoot through the roof of a frame house. I started my Rosinante and up the street we went, thirty miles an hour, hand on the horn steady, and dogs and children scattering as we tore along. We got to the engine house, rang the bell, unlocked the place, cranked the hose cart and roared to the scene of the conflagration. We saw that it was Brown's chicken house.

"At this point I should stop to explain that in this part of the country we have a cross between a chicken louse and a bed bug which is called 'chinche' by the Mexicans. Now it seems that in Brown's hen house a large colony of the aforesaid chinches had taken up a permanent residence, and Brown decided that the best solution of his problem was purification by fire, so he set fire to his hen coop, with the above described sequel. Alas, our run was for nought. No fair maiden stood at a second-story window begging to be rescued, there was no furniture to be stolen, even the chickens in the coop had been previously removed."

Bob closes with the suggestion that I jump on some of you fellows who don't write. I think he is in a pretty good position to say that, too, for if all you backsliders could equal his record there surely would be

no cause for complaint.

Jack Rountree paused in his whirl of club life at Niagara Falls to write and tell me that he has changed his address and his employer. Jack is now working for the Union Carbide Company, and at the time he wrote was working on the design of a new Soderberg furnace. I'd explain what a Soderberg furnace is, but there isn't room, and besides I don't know. Jack has an apartment with another '25 man, Dick Wick, X.

Dick Tryon has returned to the United States, although his address, St. Hypolite Street, savors of the next world. He got ahead of his schedule at Baton Rouge and so took a week's vacation, Mrs. Tryon, a second-hand Ford, and journeyed to San Antonio. He sold the flivver there, and I'm still wondering how he got back to Baton Rouge. He and Chippendale will have a lot to tell when they get back this way — if they ever do. Dick thinks he will return to New Jersey by June. — Ed Collins has forsaken Manhattan and the Audriffen Refrigerator Company and followed friend Horace's advice and gone west, — all the way to Des Moines, Iowa. Ed is now industrial engineer for the United States Fidelity and Guaranty Company. His address is in the Equitable Building, but he says that he is away from Des Moines quite a bit, being an industrial engineer and having a good time in a general all-around fashion.

ROGER WARD, Secretary, 17 Ash Street, Garden City, L. I., N. Y.

COURSE IV

Roger Griswold writes, "My architectural activities for the past year have been almost entirely in the design and construction of a house for myself at 65 Goddard Avenue, Brookline. This is a very expensive way to learn technical 'don'ts.' It has been a lot of good fun, however, and we have been living in the new house for the last two weeks. I am working in the office of Little and Russell on Newbury Street, and have always the intention to take up freehand with Professor Brown and Nelson Chase again, but I never seem to get around to it."

John Howard Raftery will be at the American Academy at Rome for the rest of the year. — As for myself, there is no change of status except that during June I shall spend a couple of weeks vacationing in Seattle.

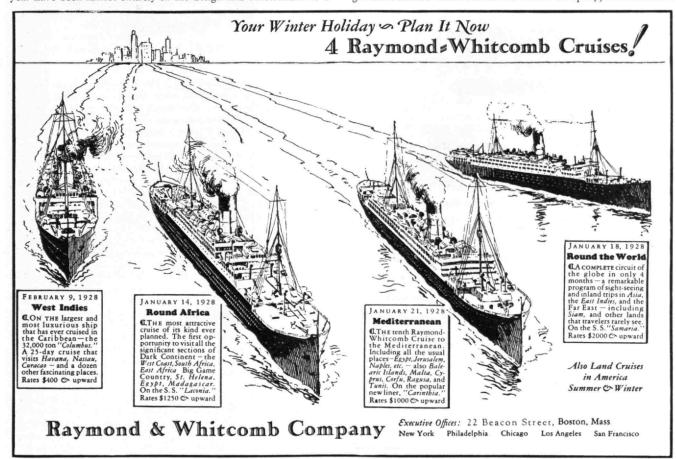
CHARLES E. PETERSON, Secretary, P. O. Box 175, Mobridge, S. D.

COURSE X

After racking my brain for ways of appealing to the different members of the Course for reports on themselves, I finally struck on the idea of sending a stamped returned postal card with the thought that perhaps it was that large investment necessary that was holding back the fellows from sending me news, and would you believe it, I got twenty-one cards back out of one hundred or more sent out! The news contained thereon was certainly interesting and I trust will act as a prod to the other members of the Course, so please come across so that we can keep this column going, month by month.

Bill Asbury left the Institute last winter and is now at Baton Rouge with the Standard Oil Company of Louisiana. — Milton Barba reports that he was married on June 13, 1925, and is living at 511 East Gravers Lane, Chestnut Hill, Penna. He is employed as sales engineer for Leads and Lothrop Company of Philadelphia. — I have a nice long letter from Glen Bateman from Johannesburg, South Africa, saying that he is in business with his father, building filtering and settling plants, and making good use of his chemical engineering training. He is also sponsoring and taking an active part in a Junior Aëronautical Society and making test flights and other hazardous feats. He announces that he has not as yet married because South Africa is filled with pretty women, which makes his choice hard.

Sydney Bernstein, after leaving the Institute, stepped into his father's position as Treasurer of the North Shore Dress Company and is in full charge of production. — Harold Bisko is in the oil burner game. He started with Babcock and Wilcox Company, but left there a



year ago to do development work with the Automatic Burner Corporation of Chicago. — Ed Booth is now with the Century Indemnity Company and is traveling out of Pittsburgh doing casualty insurance work. He seems to be enjoying it a lot. Incidentally, if the rest of the Course would take as much interest in seeing Course X in The Review as Ed, we could have a mighty interesting column.

Les Bragg is assistant in the Chemical Engineering Department at the Institute and judging from comments by undergraduates, he is very popular. — I ran across Henry Brusseau a couple of months ago in the Hood Rubber Plant in Watertown, where he is doing development work. He reports himself as being very happily married. — Alex Brown, after taking his M.S. degree in Chemistry last June, spent the summer tramping in Norway and Germany. In October he entered Berlin University on a scholarship offered by a Society for Civil Engineers. He will travel in Switzerland, France, and England before returning to this country in October. — I met a friend in Paris last year who told me that he has met Ira Chambers in Berlin and that he and Slottman are studying at the University of Berlin.

Hyman Cussen reports himself as having good luck in holding a position of credit as collection manager of the Seaver-Williams Company of Boston and, better luck, to possess a wife. — Charles Cooper (Coop) is still at the Institute where he worked on a rather interesting problem concerning laundry in the Research Laboratory. He expects to be transferred to the Winchester Station at the Practice School as an assistant on the first of July. — Frederick Cheever, who left the Institute in our sophomore year, writes from Saugus, Mass., where he has had the misfortune to be in poor health, but he writes that Course X is the best and that it should be prominent in all Institute publications.

Greg Cunningham is working for his M.S. degree at the Institute and is living at 1145 Boylston Street, Boston. — Charles Eagan is practicing law in Shreveport, La., with the firm of Cook and Cook. — Bernie Freudenthall took his M.S. in 1926 and is now with the A. C. Lawrence Leather Company of Peabody. — Morris Fritz is in the U. S. Patent Office as junior examiner. — George Fuller has settled down to contented married life in East Orange, N. J. He invites all Ten-ites to drop in and see him at Froideveaux Cie any old time. — Phil Glasson reports interesting news from Berlin, N. H., where he is



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working for the Brown Company as third executive of the Chemical Laboratory Bureau of the Research Department, which is certainly quite a name to live up to. He reports that his prom girl will soon change her name to Glasson, and that anybody going up through the wilds of New Hampshire has a cordial welcome.

Phil Gruber is now with the du Pont Company as assistant sales manager, calling everywhere east of Pittsburgh on electrical work. He reports that in his travels he met Bob Dennis in Connecticut, where he is production superintendent for the C. B. Dolge Company in Westport, and that there is a Robert Dennis, Jr.—J. Merriman Lynch graduated from Sheffield Scientific School of Yale in 1925, and then entered the Medical School. Last spring he was married and has spent a great deal of time since then in Austria and Germany.—Ed Harris is with Mead Pulp and Paper Company in the sales department at Dayton, Ohio.—Eddie Milne is teaching school in the chemical department of Ohio University, where he expects to be this year and the next. He adds a postscript that there will soon be a Mrs. Milne.

Bill Mechtenberg has forsaken chemistry for the study of medicine at the University of Nebraska, which course he will complete next year. — John Osborne has just affiliated with the Baskus Paper Company of Minneapolis as chemical engineer on development work. His address is 2537 Elliott Avenue, Minn. — G. N. Patch has also entered pedagogy, teaching school in his home town of Orlando, Fla., and living contentedly under his own fig tree with the best wife in the world. — Les Smith reports himself still connected with the Spencer Company at Hartford, and what is very surprising, he is home early evening and the girls are not paying any attention to him. Knowing Les pretty well, it sounds a little bit fishy. — Tom Story is working with the Bigley System of Radial Control in the U. S. Engineer's office at Chattanooga in connection with the power survey.

Dick Wick is with the Union Carbide and Carbon Company at Niagara Falls. — I ran across Foster York last week, where he is connected with the Department of Chemical Engineering at the Institute. — When last I saw Charlie Petze about a month ago, he was doing some interesting research work at the Institute on automotive work. — Hank Hoar is with the Raymond-Whitcomb Company of Boston. — Jordan Lambert reports a very interesting life since leaving the Institute. He opened a Duco Plant, but finding it unprofitable, turned it into a factory of club diners — otherwise glorified lunch wagons, under the name of Lambert and Mahoney. He is at present taking a vacation in Europe where he seems to make quite a reputation for himself as a successful roulette player at Monte Carlo.

Scott Emerson, Secretary, 16 Lawson Road, Winchester, Mass.

Course XIV

Frank Klein, our representative in the Air Service, has just sent me a letter containing a hard luck story. But he seems quite cheerful about it, more than many other people would be under the circumstances. He says: "I haven't done anything great yet. All I can do is confirm your belief that I haven't been killed. I am still a student pilot, due to the fact that I got operated on for appendicitis during the last class at the Air Corps Advanced Flying School, so that I lost a little time. I have good prospects for becoming a flier now, though."

We all wish you better luck next time, and hope to hear that you have been appointed an around-the-world aviator, or something of similar importance. — The other members of the Course have not been heard from recently. The latest authentic address of Morris Cohon is 622 West 113th Street, New York. This I learned from a letter returned from his former address by the Post Office Department. I hope he reads this, and realizes how hard we have to work to keep on his trail. Here's wishing you all a pleasant vacation!

Hollis F. Ware, Secretary, 37 Sharon Street, Medford, Mass.

Walpurgis Night it chanced that the Gensec had the opportunity to confer with the Witches of Endor. Lugubrious and deeply withdrawn within himself, he was wandering he knew not where, seeing he knew not what, cursing the gods who were conspiring against his enjoyment on the morrow, of the world-wide May Day celebration, commemorating the rising of the sap. With a suddenness that was fearful he came upon a great hole—coal hole, man hole, cave opening—he cannot recall. That is immaterial. What he saw in that hole, not meant for mortal eyes, he can, alas, never relate, for that was his promise to the witches, for which in return they agreed to divine for him some events of the future. The secret and darksome black mass which he wit-

nessed must remain secret and darksome, but for substitute the Gensec has the knowledge of the events mentioned below, which have not occurred as he writes. A bumper to the witches and ape-cats, gentlemen, and we shall continue.

It was a pastoral scene that he saw as a mirage above the bubbling cauldrons. In the distance he could see coming, tripping and bounding over the downs, a figure dressed in a shepherd's garb, he was piping on a flageolet and around his neck was hung honeysuckle in ringlets. Coming to an open space he started dancing as he piped and sang. The song he was singing was that old Gilbertean air beginning, "Good morrow, good lover, good morrow," and ending, "for we are to be married today, today; for we are to be married today." By some strange means I was informed that "today" was Saturday, June 25; that the shepherd's name was William Plummer Lowell; that the lover of the song was Miss Gertrude Franklin of Andover, Mass. The figures vanished.

Another shepherd came bounding over the downs. With a Pan-like gallop he went through the same joyful dance of abandon as that described above, and he sang the same song. The shepherd was Robert Charles Dean, the lover Miss Ruth Andrew of Boston, and the time was in September. Again the scene was repeated with Arthur B. Brand piping to Miss Julia Morley of Saginaw, Mich. The time was next fall.

Another change. This time back to May 18. The figure was Edwin John Gohr, the dance and song the same, the lover Miss Gertrude Eugenia MacIntyre of Houlton, Maine. Again the scene changes. This time nearly a score came dancing down the meadows, and a lusty and radiant group they were, for all of them had gone through the ritual described above and had met en masse to celebrate and to drink to Freya. All were playing flageolets. Seemingly it was May Day with all of spring's loveliness gathered into one time and place. I noted them one by one: Sidney H. Baylor, W. H. Taylor, E. L. Baxter, Charles A. Bianchi, E. H. Gohr, Charles F. Jenkins, Thomas I. Dowling, W. P. Lowell, Russell Damon, Richard A. Butler, Lennox F. Beach, Jr., Cecil Ógren, R. C. Dean, Dwight Luster, Charles E. Poor, R. G. Spear, Benjamin F. Wood, David R. Campbell, Arthur B. Brand, and others whose identity I could not distinguish. They vanished, things

and mailed at Honolulu indicated that he had embarked on the S.S. President Harrison recently for China to work for the Standard Oil Company. The war in China, however, changed his plans and he may now be addressed at the Standard Oil Company of New York, Calcutta, India. - Orin Moe, graduate student in Aëronautical Engineering, after having worked in the engineering department of the Douglas Company at Santa Monica, Calif., resigned to become chief draftsman for the Sternman Aircraft, Inc., of Venice, Calif. The perambulating Secretary of Course XII, Bill Millar, was expecting to return to America from Caracas, Venezuela, shortly after he wrote

his last letter dated April 19.

Another letter from Whitman Ashbridge indicates that his old zest for life is still unabated. He is now inspector for a consulting engineer in charge of building the Bamberger department store in Newark. He indicated in his letter that he expected to be on time at the next '26 dinner at the Technology Club. News comes from Philadelphia that '26 men there have started holding Class dinners. That is most encouraging. What will be the next city to fall in line? The Boston group has had two dinners since a report was last made in this column. Both were held at the Ole Plantation, and at the first one Professor Haslam spoke; at the second former Dean Burton.

went black for it was midnight and Walpurgis Night was at an end,

And now to some mundane news. A letter from William F. Rivers,

and until the next morning I remember nothing more.

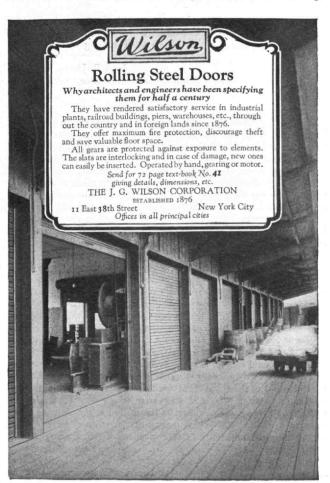
Writing in advance of the Convention of the Technology Clubs Associated in New York, the Gensec can only predict that there will be a number of us there. A Class dinner is planned and in charge of it are Elmer Knight, Whitney Ashbridge and I. R. Macdonald.

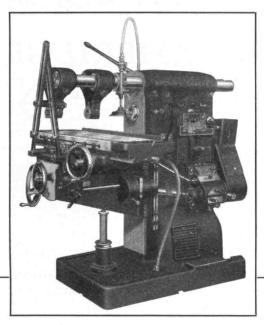
This is the last listing of marriages before next November. In the interim, the Gensec wishes you the most pleasant of summers.

J. R. KILLIAN, Jr., General Secretary, 13 South Russell Street, Boston, Mass.

COURSE I

For three long months no notes from Course I have disturbed the serenity of The Review office. The chief reason for this deficiency was our inability to expand the meager news of the last few months into anything approaching a respectable contribution.





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1926 Continued

I have shifted the scene of my own operations back to Boston where I am now collecting a weekly salary from Stone and Webster, Inc., in return for a bit of designing and detailing of steel. Bill Hoar and Marvie Pickett are still back in dear old Phoenixville, where, I

understand, they are getting along very well.

The chief reason which prompted me to make a shot at a column in The Review this month was a letter from that long-lost member of the '26-ers, Marvie Smith. I had already prepared a tearful obituary when the news came that he is still alive. I'll let him explain himself: "In answer to your letter of 1492, I might say that the sudden turn of affairs from no work to work has put me in a state of coma, more or less, since we broke loose from Technology. The Review has in very minute detail the whereabouts of some of the old-timers, and this letter is primarily to find out some of the closer doings of our once closer classmates. Pickett is the first. He is probably with you in Phoenixville. What kind of a dump is the place? Can the boys hold their own or is the Pennsylvania Dutch too much for them?" To the first question we answer "Yes," and to the second, "It was for me." O. K., Shady?

Rivers was last heard of in New York, where he was about to begin laying out a big real estate development with the aid of the

engineering force of Mandell, N. Y.

In looking over the letters we received several months ago, we ran across one from Mattson which had been misplaced and hence had not been mentioned. He writes: "I am with the Northern Pacific Railway at Duluth, Minn. My title is special track apprentice, but that signifies nothing, as my duties have ranged from the use of a pick and shovel on a section gang to a brakeman on a way freight. For the past couple of months I have been acting as unofficial assistant to the bridge and building supervisor. It is more or less executive work, dealing with the maintenance of structures and there is very little civil engineering connected with it. I have heard from Mel Dow, who is in the engineering department of the Texas Company at their Port Arthur, Texas, Refineries."

A few weeks ago we were startled by hearing a familiar voice over the phone - breezy, happy and confident. It couldn't be Huck, we thought. Sure enough it was Edward R. Huckman, himself. We

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arranged to meet the next day, when over a choice Durgin and Park steak, Huck regaled me with tales of life in a construction camp and pumped me for news of classmates. He is now located with the Fox-

boro Instrument Company.

We have reserved for the last a bit of a very interesting letter from Miss Soroka, our lone co-ed civil. She writes: "I find that there is much less prejudice against my presence in an office than I expected to meet. Every man whose wife is a college graduate, or a professional lawyer, or was a social worker, or who voted for woman suffrage, or whose sister wanted to be an engineer, and so on ad infinitum, is pleasant and helpful. The men in my own office are a fine group. By the way, during my wanderings in search of a job, I have met many Technology Alumni. They have been friendly, with the result that I know something about most of the best offices in the city. If you know of any one in need of such information, do not hesitate to call on me." We know that we are heartily seconded by our classmates in wishing Miss Soroka the best of luck in her chosen profession.

We hope to hear from the last few of the civils by the next issue of The Review, so if you haven't written yet, take a few minutes to

note the vital dope on yourself.

WILLIAM MEEHAN, Secretary, 94 Montebello Road, Jamaica Plain, Mass.

Course II

R. G. Spear has crashed through with news of our Indian friend, S. L. Kirloskar, who, it appears, has been going great guns since returning to his native country. He is working in his father's factory over there, but found time on the side to design a crusher for cane sugar that took first prize in an international exhibition at Bombay. Kirloskar plans to return next year for graduate work at the Institute.

For himself, Spear reports that he was married last September and is living happily in Flint, Mich., where he does various odd jobs for the A. C. Spark Plug Company, one of General Motors' choice subsidiaries. He has been working on tool design, both figuring and drafting for new machinery to produce speedometers, ammeters and the various other accessories put out by A. C., but has been recently put at estimating costs, which, I take it, may be regarded as a step up the

Al Warner is just getting back to normal after an operation for appendicitis and is now working directly with his father on their electric automobile brake, which seems to be coming along in great

> JOHN B. JACOB, Secretary, 1037 South Kenilworth Avenue, Oak Park, Ill.

COURSE VI

The principal news about the "Sixes" this time is due to five rather lengthy and newsy letters. George Mikhalapov writes that Merrick, Crawford, and he are with Stone and Webster, saying, "Their method of attacking a graduate is simple. You are given an eraser and a drawing, or what is worse, a tracing. Then by combining the two, well seasoned with elbow grease, most of the drawing is made to disappear, which is the big idea. After doing it for four months one begins to wonder what is the exact color of pink elephants and why do green snakes turn somersaults. This is the practice. The theory is 'You begin by doing nothing but tracings, then you are given changes to make, and then you are put on straight design, which is the limit. After this it is up to you.

Malcolm Epstein is with the A. S. Aloe Company in St. Louis doing work in physio-therapy. This is, to quote Mal, "a new branch in which the use of a high frequency equipment, consisting of a transformer, condenser, induction coil and spark gaps, is used to produce a heat within the body." He has been promoted to the position of

assistant manager of his department and likes the work very much. Charlie Kirsch is having "a review of D. E. M. laboratory, minus the report writing" in the General Electric Test Course at Lynn. He says that Ronald Martin is with the Blue Island Power Company in Illinois. - Reverdy Johnson tells his own story best: "I'm down here (Washington) in the thick of involved electricity. I lit into a tropical thicket of requirements, and no matter which way I turn, I am stopped by throngs of ignorance. In detail, I'm in the Patent Office, assigned to radio work. Which means, first, I must understand and check up on the possibility of operativeness of the newfangled bad dreams of men long skilled in the art. Secondly, I must attempt to show them that some one else dreamed the ideas first. Usually this is impossible. Incidentally, there is, of course, the legal procedure in-

volved. And for amusement I'm studying law. My fields of learning

stop there, so I am yet and will be, single."

Howard De Roo is taking the General Electric test course in Schenectady. At the time of writing he was on the commercial turbine test, working on a 65,000 KW. turbine. He finds the work extremely interesting and likes it a lot.

A. SIDNEY BROOKES, Secretary, 32 James Street, Newark, N. J.

Course VII

What Course of the Class of '26 can say that twenty-five per cent of its members are married? It is very doubtful if many can, yet Course VII is able to. There is a bare possibility that fifty or even seventy-five per cent may be the figure that should be quoted, but when one is unable to receive word from two of the members, such facts must be omitted. May the coat fit and result in a reply.

Now for the twenty-five per cent of us who have taken a definite stand in relation to the marriage question. We will have to heartily congratulate our former member known to us all as Mary, or better as Jerry. She may now be addressed as Mrs. Albert E. Mulliken. For those who care for the details, the following clipping from the Boston

Evening Transcript is inserted:

"Announcement is made by Mr. and Mrs. John J. Sullivan of Concord Junction of the marriage of their daughter, Miss Mary J. Sullivan, to Albert E. Milliken, who is a student in the mining engineering department of the Massachusetts Institute of Technology. The ceremony was performed in the rectory of Our Help of Christians' Church at Concord Junction, by the pastor, Rev. Joseph P. Maher, and was witnessed by only intimate friends and relatives. Miss Hazel Irene Mannion of Littleton, a cousin of the bride, was the bridesmaid, and Dennis A. Sheehan of Concord Junction was best man.

"Following the ceremony, an informal reception was held in the home of the bride's grandmother, Mrs. Mary E. Sheehan. The future plans of the young bridal couple are unsettled, as Mr. Milliken expects to be called to Mexico, where he is interested in a silver mine. In the meantime, he intends to continue his course at Technology."

E. M. Holmes, Secretary, 22 Bates Road, Watertown, Mass.

COURSE X

Well, your Secretary had to make a visit to Boston during Junior Week to dig out some news. It was to bring back fond memories and drink of the fountain of youth, because Boston in the springtime is the fairest of urbs and reigns in all her beauty, especially when it is Junior Week at Technology.

It reminded me of those distant days when we were undergraduates—the same Technique Rush, Tea Dance, Baseball Game, Track Meet and the Tech Show—but an even greater Tech Show for one of our members is a co-author and director—none other than G. E. Hopkins. Seriously speaking, though, Hoppie has in no little measure contributed to the success of this year's Show, and deserves credit for the way he has given so freely of his time to this undergraduate activity. Others of us can well follow Hoppie's lead in aiding the undergraduates in this frequently neglected, but very important phase of Technology life.

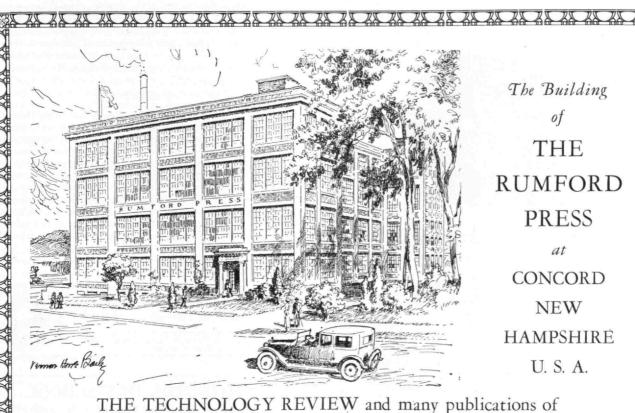
I met Dick Jones, who is still with the Atlantic Refining Company running stills and getting a rather valuable experience in handling men. I have read in The Review of others of our classmates teaching Sunday School and whatnot, but it takes no other than a Course X man to seize a more profitable adventure in teaching "Practical Elec-

tricity" as a side line. Introducing Instructor Jones.

Ralph Smith doesn't have time to write the Secretary any more since he has fallen in love. It takes all his spare time writing letters and sending telegrams. Ralph has our sympathy, if that will do him any good, and we hope the time will not be far distant when he can have the real article rather than an empty photograph right with him.

Jim Dunham is playing the royal vagabond with the Keith Dunham Company of Chicago, chasing around the country installing and putting into operation plants for the manufacture of oxygen by the liquefaction process. Jim says he hasn't a girl in every port like the proverbial sailor, but adds that it isn't his fault, because he doesn't stay in some places long enough to meet any. We discount the last statement in view of the fact that Jim has been studying nights.

We are happy to have some authentic news from our President, Dave Shepard. We had feared lest some mysterious hand had snatched him from our midst as almost happened some years ago previous to our sophomore banquet, when a rowdy bunch of freshmen aided by some



nation-wide circulation are printed in this plant

juniors tried to kidnap him. But Dave has been much too busy to write, being Assistant at the Boston Station of the Practice School, and helping revise the bible. Dave says the investment in the new bible which is just going to press ought to be well worth while because of the additional chapters on absorption and extraction. He also says the premium payments on the endowment fund are coming in with every mail and he hopes that this second premium will be met by everyone. Have you paid yours?

Ed Gohr [See the Gensec's prefatory remarks] and Dave are going to work for the Standard Oil of Louisiana at Baton Rouge, where they will smooth out the Standard's problems. Dave is particularly looking forward with joy at thumbing his nose at the tailor who wants to make him a new winter overcoat. Dave intends to go to Denver before starting work, where he says he will "drink in the glorious Colorado ozone while the Indians make mince meat of buffaloes on

the banks of the rolling Platte."

I had a long letter from Earl Eastman bringing my attention among other things to a difficulty he has experienced with one of the Eastman Kodak film packs. Now while I cannot assure Earl that this particular difficulty will be removed, I can say that whatever small power is in my hands will be available for the amelioration of the difficulty. Bring on your troubles, O, Ye Kodak Enthusiasts!

Earl is with the Standard of New Jersey in the Pressure Still Inspection Department and describes his work in no uncertain language as pleasant, varied, dirty, filthy, hot, cold, interesting, hazardous, simple, instructive, foolish, and necessary, depending on what he is inspecting, where it is, and the time of year. Nor is this certainty and definiteness confined to any one spot, for an inspector travels from Boston to

Earl is especially disheartened over the lack of information concerning corrosion. The light is fast dawning in this field, but some member in our Course ought to find meat in this problem and hasten the

noontide of knowledge in corrosion.

Carl Olander writes enthusiastically of his Plant experience with the Oliver Johnson Paint Works in Providence. They have just installed a new roll mill for grinding canvas paints, various pastes, and straining plors. Carl has been working on a modification of the grinding passes which this new unit has effected, as well as the reduction in



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GEORGE FROST CO., Makers, BOSTON How Did Your Garters Look This Morning? time of grinding and the number of times a given paste has to be milled for maximum strength. Carl met Deke Taylor not long ago, who is very enthusiastic about his job with the Pawtucket Gas and Electric. He went up to see the Show — Hoppie's production — and was well pleased.

The Class had several dinners in Boston at the Ole Plantation this spring. At the April one the majority present were Course X enthusiasts and Professor Haslam spoke on patents. I dropped in on Professors Haslam and Ward just after the Technique Rush to find

them hard at work as usual.

Bill Taylor has just finished his extended vacation with the Air Corps Flying School in San Antonio and has joined Curt Washburn in Akron to work for Goodyear. More about the job later. Bill says life at the Flying School was very strenuous and he is glad to settle down to real married life. His good wife evidently does not keep him up in the

air all of the time.

Fred Broughton writes with indignation at the appellation donated to his Practice School Group's carryall in a recent Review. Fearing that my own interpretation should be tempered with prejudice and that I should be sued for slander, I shall quote Fred verbatim: "It served as our business and social car in Winchester and Buffalo. Never was it once disgraced with the appellation of your Rin-Tin-Tin. The name we gave it was a credit to any hunkie's language. In that memorable return from Buffalo it began to weaken. The lights dropped off. The horn refused to blow. A piston bearing snapped. She plodded on. The top blew loose and the tires went flat. The cylinder head cracked. A few repairs encouraged her to further efforts. The cooling system went and the radiator gave up its water. Just as we came in sight of the Mohawk Trail the crank shaft snapped, and she gave up the ghost. We laid her gently in a field, said a few prayers over her, and took to 'Shank's Mare.' It was an epic struggle and we could only say 'well done.' Loyalty to her has caused this protest." You are the judges, Course X; do we deserve the wrath which has descended upon us?

I met Carl Theisen and Bruce Humphreville, snaking as usual at the Tea Dance in Walker. I saw Wes Hemeon for a moment at the affair

also.

Art Green and Ed Oeffinger were in Rochester not long ago prospecting for a job with Eastman, and I was mighty glad to see them. I shall now mention the dire evil of the Practice School that you may warn your sons against it. Ed, having finished his business in Rochester, proceeded to return to Boston by the way of Buffalo, not exactly a most exact route. It was a lady fair who caused him thus to deviate.

LEE CUMMINGS, Secretary, 211 Genesee Park Boulevard, Rochester, N. Y.

COURSE XIV

The April showers that bring May flowers have done their stuff and once again June has come with fond memories, scarcely a year old, of the suspense attendant upon final examinations, of our speculation concerning the outcome of Committee meetings and Faculty meetings, of our concern as to whether or not our caps and gowns would show up safely at the Coop, whether or not they would fit after they showed up, and finally, whether we would have the opportunity to wear them.

Remember our heated discussions over such vital questions as, for example, who put the most time on his thesis, whether Frank Romanoff had discovered a new process for chromium plating or had only constructed a new model Turkish bath, whether Pete Hulme was justified

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in taking not only room enough for four men in the laboratory but also in refusing to surrender a potentiometer without due consideration from the faculty — or whether he was under the weather that morning? Nor do I think, upon further retrospection, that we decided at all whether it was fair to load Bill Smith's electromagnet with scrap iron. Remember all this, remember — huh? Tell us not that Technology is a factory driving a man at the pace that kills. Some of our most pleasant days have been spent right here in the Electrochemical Laboratory.

By the way, engineers, now that a year has gone by, each of you who has succeeded in making his first million, hold up your hand. If no one has yet discovered the elusive carbon ion in solution since I last heard from him I imagine that there is no show of hands at all.

Upon looking things over, however, each one has made a good beginning and is proceeding very well. Here is the latest, the very latest news: Ken is married. He came in to pay a visit not long ago, and during the course of his conversation he said in a very nonchalant fashion as he exhibited the gold circlet on his finger, "You see, I have taken a rather important step since I last saw you." Each of us offers heartiest congratulations to Ken and his bride. Ken is the second of our number to rise to that new state of dignity toward which probably all of us are leaning.

Charlie Slunder wrote that things are moving quite well out in Detroit. Dodge Brothers decided to mark time, so to speak, in its chromium plating department so Charlie took up research in organic chemistry — chiefly in lacquer synthesis — in another branch of the factory. He now has an offer to go with the Detroit branch of the United States Rubber Company which he is going to accept. He asked to be remembered to each member of the crowd, inquiring specifically

as to our activities.

Pete has been heard from! Far from the madding crowd, high up in the mountains and miles from the seacoast, Pete is engaged in the thrilling task of recovering that last trace of arsenic from copper, "like a true electrochemist in the true electrochemical way." He likes the work down there. In general the climate is very much the same as it is here — heavier snows, of course, in the winter, and cold nights in the summer, but living conditions are quite acceptable. His stay there is made even more pleasant by the fact that his mother has also gone down to Chile to keep house for him. Unfortunately the news that I have has not come directly so that it does not contain all of the many details which would be of outstanding interest to us. It is difficult to establish rapid-fire communication with Chuquicamata, but I am still hopeful of results. This is at least a beginning.

Bill Smith, our Class spectroscopist, is still attached to the hospital staff here in Boston. The trend of his technical conversation is tending toward affairs medical — cranial operations, high frequency electrical anaesthesia, organic metabolism in ultra-violet and under X-rays. I fear another electrochemist is straying from the path that one would expect the carbon arc to illuminate. — Towle is in California. Although he is working with the Standard Oil as a chemist, the occupation that he liked most, he is thinking of changing his line of endeavor. His work is too much of the routine variety and he does not want to run himself into the well-known groove. — There is no news from Jewell, Romanoff, Dowling, or Draper, although I hear that Dowling is now tankhouse inspector at Anaconda, Great Falls.

General Dawes is still working in the shoe business, progressing rapidly, and driving better and better automobiles. The general is a firm believer in the principle that the stages of a man's ascension to opulence shall be measured by the make of car he drives. — Bob is still teaching and performing research, harassed by the trials and disappointments encountered in both. He came into the laboratory the other day with a worn and haggard expression, definitely convinced after a day's work and the sacrifice of many feet of tubing, that the amateur glass blower cannot seal pyrex to soda glass. — Coleman and I are preparing for the heart-rending task of writing theses and accumulating knowledge and data for the final examinations. As we predicted, neither of us, with one more week to go, has succeeded in startling the scientific world, but we have done our darndest in that direction.

I wonder if this anniversary blowout will arouse enough sentiment in your scientific minds and hearts to cause you to contribute something concerning your activities. This dearth of information cramps my style. I say this to give some one of you or all of you the opportunity to write in and at least say that I have no style to cramp. One fellow seems to think that the next one will think he is immodest if he writes in concerning the fashion in which he told the plantsuperintendent how to run the works. Come out of your mid-Victorian attitude.

The PERSONNEL OFFICE

DIVISION OF INDUSTRIAL CO-OPERATION AND RESEARCH

Calls the attention of Alumni to the listings of available men and positions noted below

POSITIONS are OPEN to men of the following qualifications:

- No. 1091. A Massachusetts concern needs a technical graduate with one to five years' experience to train for a plant superintendency. The product is canned baked beans. A new factory will soon be erected to enable this firm to supply the growing demand for the product. Ability to develop automatic machinery will be a decided asset.
- No. 1092. There is an opportunity in New Jersey for a chemist who knows the bleaching problems connected with laundries. Knowledge of textile dyes will aid a man to qualify.
- No. 1093. A large tannery in the vicinity of Boston has openings for chemists or chemical engineers with one to four years' experience. Men who have the faculty of developing various projects independently are needed.
- No. 1094. There is a position open in the Guatemala office of a large public utility holding company. Those who apply should speak Spanish, be able to typewrite, and possibly make notes in shorthand. The duties will include making up intelligently written reports of public utility projects from oral interviews which are apt to be somewhat sketchy. This work requires an engineer with the above unusual qualifications.
- No. 1095. A southern company which makes and compresses gases for industrial use needs an experimental physicist and chemist to develop processes for making other gases. A plant operating man is also needed. This latter should be a chemical engineer with a desire to work with mechanical problems.
- No. 1096. Recent graduates who are interested in sales of material, handling equipment, power house equipment, and gears, may be interested in a position carrying a straight salary and expenses and with headquarters in Connecticut. A salary and bonus proposition will probably be made with the men who remain with the concern.
- No. 1097. A New York firm which deals in heavy chemicals has openings for several recent graduates to train for sales work. The plan is to develop the salesmen into executives later on. Knowledge of chemistry is preferred but is not essential.
- No. 1098. A man interested in advertising who knows something about refractories, or has confidence that he can quickly learn the essentials, may be interested in a New York City position as advertising manager. The concern will train the prospect in the field and expects to name a salary up to \$5000 for a man of about thirty-five years of age.
- No. 1099. A large firm of patent lawyers in the East has an opportunity for a man who has had legal training and patent experience with an industrial organization. Membership in the bar is desirable.

All inquiries should refer to numbers and should be addressed to

PERSONNEL SECTION

DIVISION OF INDUSTRIAL CO-OPERATION AND RESEARCH

Massachusetts Institute of Technology

CAMBRIDGE

There ought to be some interesting stories to tell to each other and about each other, or your natures have undergone a complete readjustment since last year.

Marron W. Fort, Secretary, 423 Broadway, Cambridge, Mass.

COURSE XV

Back at it once more! I've been absent some time, but news has been scarcer, and time still scarcer. To begin with: Wick Eddy reports some enthusiastic Class of '26 dinners in Philadelphia — large turnouts and still larger bridge tournaments afterwards, with Salmon and Greenie Fine taking the honors. He was thinking of leaving the telephone company and by this time probably has. Bill Kalker reports that he is now doing the appraising for a large mortgage house in New York, which he finds interesting.

Dave Harrison is now back East and is associated with Aviation in the business department, located in New York. He reports having led a checkered life out West — "office boy" to the President of his brick company to sales correspondent while laying out railroads on the

side.

We beg to announce the following engagements: Cecil Oren to Miss E. P. Sanborn of Malden, Mass.; Dwight Luster to Miss Mary Talcott of Farmington, Conn.; Charlie Poore, who is with Gilchrist Company, Boston, to a Smith College girl; Ken Lord is engaged to a Rochester, N. Y., girl according to reports, and Sidney Miller to one in his home town, Cincinnati, Ohio.

Donald Dodge has been transferred to the Providence office of the U. S. Bobbins and Shuttle Company from Lowell, Mass. Johnny Longyear reports that he is with the Detroit Edison Company in their

CHARLES H. JOHNSON M. I. T., '05

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Dick Chaplin is on a water supply job with the Metropolitan District Commissioners. Jack Wright is with the Leonard Refrigeration Company in the production department. Dick Johnson is hanging around Boston, being with the Division of Public Works, Highways Department of the noble Commonwealth.

As for myself, I am now associated with my father in the real estate auction and appraising business—hence the lack of time recently, as our business runs counter to the ordinary business cycle though with an even trend, as Professor Schell would say.

I ran across Dingley the other evening when leaving the theatre, and I saw Bob Houghton down at Annapolis at the crew race some weeks

Let's see if we can't keep the Course XV column full, fellows, and take a load off Jim's mind. I am awaiting a landslide of letters.

Thornton W. Owen, Secretary, 739 Quebec Place, N. W., Washington, D. C.

This is indeed a moment of inertia, as Dr. Tyler might say. Should your Secretary prepare formal notes for the July issue of The Review, or should he not? Should your Secretary record the rumor that

Alf Berle intends to terminate his engagement by marrying the girl, and neglect to record the names of those ten or fifteen others who rose in their places at the Class Banquet when Tubby Rogers called for public confession from the affianced ones? Should your Secretary tell you that Jim Lyles has learned to sing "Aloha" (more difficult than heat, says Jim) by way of preparation for a trip to Honolulu, and then fail to tell you of the jobs and junkets that the others of us are beginning?

Your Secretary's inertia combines with his desire to be fair with every one; his lack of information interlocks with the lack of space in The Review. The formal début of the Class news from illustrious

'27 will be deferred until the November issue.

Our list of Course Secretaries is now complete, although only a few have established their places of residence. Most of them, however, may be reached directly or indirectly at their home addresses, and in order that our first bit of Class news shall contain word from every member of the Class, the following list of Secretaries is given with their addresses: Course I, Leroy G. Miller, 477 East Mound Street, Columbus, Ohio; Course II, David R. Knox, 4506 Allendale Avenue, Detroit, Mich.; Course III, Leonard B. Riley, 121 Whitney Avenue, New Haven, Conn.; Course IV, Thomas E. Hegarty, 9 Mt. Vernon Street, Somerville, Mass.;



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Course V, Edward T. Dunn, 5 Anderson Street, New Rochelle, N. Y.; Course VI, Charles A. Bartlett, Stockbridge, Mass.; Course VII, George B. Darling, 15 Idlewild Street, Allston, Mass.; Course VIII, Harold Heins, 510½ North Soto Street, Los Angeles, Calif.; Course IX, Sidney Gerber, 35 Seventh Street, Seattle, Wash.; Course X, Donald H. Spitzli, 22 Holland Place, Buffalo, N. Y., until September 1, and 70 Gram Street, Bangor, Maine, until November 1; Course XI, Lee Miller (see Course I); Course XII, Richard W. Davy, 46 Peterborough Street, Boston, Mass.; Course XIII, Henry G. Steinbrenner, 1096 Homewood Drive, Lakewood, Ohio; Course XIV, Nathan Cohen, 871 Longwood Avenue, New York, N. Y.; Course XV, George C. Houston, 612 Prospect Street, Maplewood, N. J.; Course XVI, Franklin T. Kurt, 86 Prince Street, West Newton, Mass.

Get in touch with your Course Secretary; tell him what you are doing and how well you are doing it. Write to him as soon as you are settled, because his report of your doings must be forwarded to your General Secretary shortly after September 15. Don't forget that nobody will know what has become of you unless your name is in the Class notes.

Dennie asks me to remind you that annual dues to the Alumni Association are \$3.00. That amount places you on his record as a member in good standing and entitles you to eight issues of The

Watch for us in the November Review, but make sure that your Course Secretary has something to say about you.

JOHN D. CRAWFORD, General Secretary, Room 3-205, M. I. T., Cambridge, Mass.

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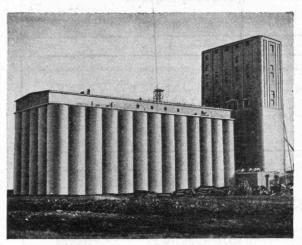
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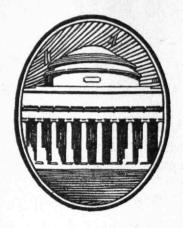
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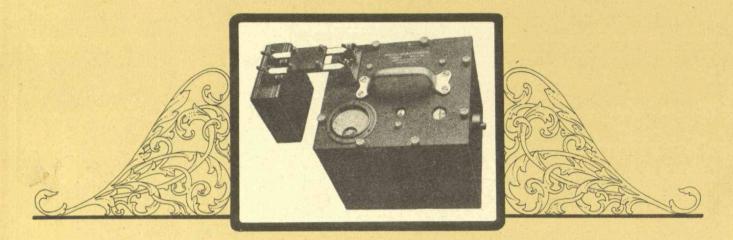
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